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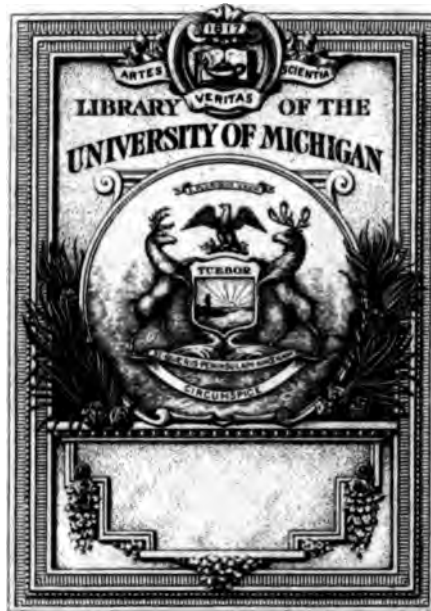
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Library Science

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Wm. W. Bishop

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CLASSIFIED CATALOGUE
OF THE
CARNEGIE LIBRARY OF PITTSBURGH

CLASSIFIED CATALOGUE
OF THE
CARNEGIE LIBRARY OF PITTSBURGH.

1895—1902

IN THREE VOLUMES

VOLUME I
GENERAL WORKS—PHILOSOPHY—RELIGION
SOCIOLOGY—PHILOLOGY—NATURAL SCIENCE
USEFUL ARTS



PITTSBURGH
CARNEGIE LIBRARY
1907

CARNEGIE LIBRARY PRESS
PITTSBURGH

LIBRARY
OF THE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C.

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Preface

The Board of Trustees of the Carnegie Library of Pittsburgh was organized in 1890. The following year permission was obtained from the city to erect in Schenley Park a central building dedicated to its purposes, to be followed by the erection of branches in other parts of the city. As this first structure approached completion, the work of the Library proper began early in 1895 with the organization of a staff under the leadership of Edwin H. Anderson and in November of that year the Library was opened to the public with a collection of about 16,000 volumes.

A dictionary catalogue listing about 9,000 volumes of the collection had been prepared in pamphlet form and was ready for distribution at the formal opening of the Library to the public. A second impression of this, with slight corrections, was quickly supplied. Since that time no catalogue in book form, attempting to cover the whole of the Library's collections, has been issued. A decision was soon reached, however, to issue regular monthly bulletins of additions to the Library and these began to appear in April 1896. The next year a department of printing was created and not only the Monthly Bulletin but also the cards for the regular card catalogues of the Library, including those of the branches as established, were issued in printed form. The composition was by linotype and the metal was preserved in the form of type so that lists and catalogues of various kinds might be printed from time to time without incurring the cost of re-setting the matter. These type-forms have been used in the making of a number of such lists.

In 1902 a decision was made to issue in book form a Classified Catalogue of all the books in the Library. The collections had grown rapidly and at that time numbered about 145,000 volumes, among which were included many duplicate copies made necessary by the popular character of the work of the Library and its organization of branches.

A number of elements conspired to bring about the de-

cision at that time to proceed with the printing of this catalogue, the most potent of which was the fact that a new and more satisfactory type-face had been determined upon for use in entry words and call numbers in all the catalogues of the Library after July 1, 1902. Thus the type which had until that time been used in printing the catalogue cards and the Monthly Bulletin might be used once more for a book catalogue and then melted down. Because of the change of type only those books in the possession of the Library previous to July 1902 could be included. Subsequent additions would form a supplementary catalogue or a series of supplementary catalogues. It may, perhaps, as well be stated here that the first of these supplements is already in type forming two volumes which are to be issued as soon as they can be got off the press after the three volumes comprising this, the first Classified Catalogue in book form of this Library, have been issued. The five volumes combined will make a complete catalogue of the Library to January 1, 1907, grown by that time to 242,000 volumes.

The use of the old linotype matter made it desirable that few changes should be attempted. Some careful revision was necessary, however, because in the years which had elapsed since the work of printing the catalogue cards had begun, it was inevitable that inconsistencies, and some inaccuracies, should have accumulated. It was not deemed practicable to make all the changes and corrections that were thought desirable. In classification practically no revision was made through the first five main classes of books and in the last five only such changes were made as seemed most urgent, except in the classes Natural science and Useful arts. There the classification was altered and expanded considerably in consonance with the work of the Institut International de Bibliographie at Brussels.

Annotation has been a marked feature in catalogues and lists made by the Library from an early day in its history and it was felt that additional descriptive and explanatory notes to many of the titles in this catalogue would have greatly enhanced its interest and value, but because of the time and labor involved in their preparation few annotations were

added in the earlier parts of the work and none whatever were added in the fiction list. Such notes as were already in type for certain titles were used; other titles needing it no less remain without this feature. The great desirability of these helps has been more strongly felt as the work proceeded and in the latter portion thereof the practice has been so altered that many new notes have been added to titles in the classes Fine arts, History, Travel and description, and Biography.

The general arrangement of the catalogue is in agreement with the divisions of the Decimal Classification, now in rather common use in the United States, of which a brief synopsis is given on page XII of this volume. Individual biographies, however, are arranged in one alphabet and filed under the name of the subject. Likewise books on history, and on travel and description, although assigned numbers in accordance with the regular classification, are arranged in a special way by being placed together under the name of the country treated. At the end have been added full author and subject indexes. It is perhaps unnecessary to state that of course the catalogue does not show the entire resources of the Library upon a given subject, since it does not list specifically parts of a book treating a particular subject. Entries of that character are to be found only in the card catalogues of the Library. Moreover it was not the intention to make a bibliography, therefore many details commonly inserted even in library catalogues were here omitted, the object being to make a simple catalogue for public use as a finding list.

The complete remodeling of the main structure originally erected for the Library and opened in 1895, together with the building of very large additions thereto, brought about conditions that have greatly retarded the preparation and issue of this catalogue. These may be the more clearly realized when it is understood that not only the processes of cataloguing and proof-reading, but also all those of composition, presswork and binding have been accomplished without the employment of other agencies than the Library's own facilities within its Central Library building and have been carried on continuously during the course of that reconstruction and enlargement mentioned above. To offset the incon-

venient delay as far as possible for the public, the classes or parts of the catalogue as they came from the press have been issued in pamphlet form and may be bound up into complete volumes by those possessing all the parts.

Generous acknowledgement is due the Board of Trustees for its broad and liberal support of the whole work of the Library. And beyond that statement it is only fair that there should be singled out for personal mention the President of the Board, Mr W. N. Frew, and the Chairman of the Committee on Administration, Mr George A. Macbeth, both of whom in all the affairs of the Library have given of their time and strength without stint, thereby making such a task as this possible of accomplishment.

To Edwin H. Anderson, the former Librarian, belongs the credit for the inception of the work and the conduct of a large share of it. He saw through the press the first four parts of the catalogue, covering the classes General works, Philosophy, Religion, Sociology, Philology, Natural science and Useful arts. In this he was ably seconded by Miss Henrietta St. B. Brooks, to whom as chief of the Catalogue Department at that time he committed the immediate supervision of the work. Under her were issued the first two sections. Upon leaving the service of the Library, she was succeeded by Miss Margaret Mann, who has carried the work to its completion.

To Miss Mann especially and to her corps of assistants generally should be given hearty recognition for the successful accomplishment of a difficult task in the midst of other heavy duties and under physical conditions that have been most trying—the reconstruction of the building having been carried on all about them as they worked. Of her immediate staff two have done work of so special a character that it calls for notice. These are Miss Irene Stewart, who has revised and edited the copy for printing, and Miss Marion A. Knight, who has revised the classification, making changes and expanding classes where necessary.

The Department of Printing and Binding, under the efficient management of Mr William H. Schwarten, has suffered heavily from the same conditions that have so hampered all departments of the Library and is deserving of high commendation for the results achieved.

These acknowledgements would not be complete without a mention of Miss Mabel A. Frothingham, who as Editor of Library Publications has read all the proof, except that of the first three classes, with an eye both to general form and to specific details after it had passed the usual proof-readers. Further a spirit of cordial cooperation throughout the staff has added many helpful touches here and there, small in themselves, but great in a way that I am unwilling to leave without recognition.

ANDERSON H. HOPKINS,

21 February 1907.

Librarian.

How to Use the Catalogue

The entries in this catalogue are arranged according to the Decimal Classification, a system by which like subjects are brought together and related subjects are grouped in an order more or less logical. For a synopsis of the classes see page XII.

To find a book by a known **author** first consult the author index in volume 3. This index contains the author's name, titles of his works, call number of each work and reference to the volume and page of the catalogue on which the full entry will be found. The *call number* opposite each title is the symbol to be used in calling for the book, and should be copied exactly. If the work is in more than one volume, the volume wanted should be specified in addition to the full *call number*. The titles and call numbers for works of fiction are not included in the author index; there the author's name only is given, with a reference to the list of fiction, where the full entry will be found. Call numbers preceded by the letter "r" or "b" designate books in the reference collection which are not loaned for use outside the Library. These books, as well as all others in the Library, may be consulted freely in the Reference room. The letter "j" prefixed to a call number indicates that the book is in the Children's Department. The author index includes anonymous titles, names of societies and institutions, and titles of all periodical publications.

To find the given resources on a **general subject** or **class** the synopsis on p. XII of vol. I may be consulted. Only the broad classes are outlined here, but the table serves to show at a glance the scheme of arrangement followed in the catalogue and furnishes a key to the main classes of literature. A more direct way to find books on a **particular subject** is to consult the subject index in volume 3. The number following the subject is the class-number standing for that subject and shows its relative location on the shelves—for example, all books on chemistry will be in class 540. The page number

refers to that place in the catalogue where the books on the subject in question are entered and where the call number for individual works may be ascertained.

Fiction has been filed after the general class Literature, vol.2, p.1722.

Description and travel is grouped with the history of the country treated.

Biography, both collected and individual, has been placed after the general class History, vol.3, p.2708. For individual biography 92 has been used as the class number.

Errata for each volume will be found at the end of the volume.

Synopsis of Classification

Class	Volume and page	Class	Volume and page
00 General works.....	I: 1	500 Natural science.....	I: 575
10 Bibliography.....	I: 1	510 Mathematics.....	I: 588
20 Library economy.....	I: 30	520 Astronomy.....	I: 595
30 General encyclopedias.....	I: 40	530 Physics.....	I: 611
40 General collections.....	I: 42	540 Chemistry.....	I: 644
50 General periodicals.....	I: 42	550 Geology.....	I: 682
60 General societies.....	I: 50	560 Paleontology.....	I: 726
70 Newspapers.....	I: 50	570 Biology.....	I: 735
80 Special libraries.....		580 Botany.....	I: 768
90 Book rarities.....	I: 55	590 Zoölogy.....	I: 790
100 Philosophy.....	I: 59	600 Useful arts.....	I: 837
110 Metaphysics.....	I: 62	610 Medicine.....	I: 851
120 Metaphysical topics.....	I: 63	620 Engineering.....	I: 888
130 Mind and body.....	I: 64	630 Agriculture.....	I: 980
140 Philosophical systems.....	I: 72	640 Domestic economy.....	I: 1002
150 Psychology.....	I: 72	650 Commerce, Business.....	I: 1011
160 Logic.....	I: 81	660 Chemical technology.....	I: 1033
170 Ethics.....	I: 83	670 Manufactures.....	I: 1090
180 Ancient philosophers.....	I: 100	680 Mechanic trades.....	I: 1100
190 Modern philosophers.....	I: 102	690 Building.....	I: 1105
200 Religion.....	I: 108	700 Fine arts.....	2: 1119
210 Natural theology.....	I: 120	710 Landscape gardening.....	2: 1145
220 Bible.....	I: 128	720 Architecture.....	2: 1153
230 Doctrinal theology.....	I: 159	730 Sculpture.....	2: 1201
240 Devotional, Practical.....	I: 175	740 Drawing, Decoration.....	2: 1218
250 Homiletic.....	I: 183	750 Painting.....	2: 1239
260 Church, Institutions.....	I: 188	760 Engraving.....	2: 1292
270 Religious history.....	I: 203	770 Photography.....	2: 1298
280 Churches and sects.....	I: 221	780 Music.....	2: 1313
290 Ethnic, Non-Christian.....	I: 247	790 Amusements.....	2: 1413
300 Sociology.....	I: 264	800 Literature.....	2: 1438
310 Statistics.....	I: 279	810 American.....	2: 1459
320 Political science.....	I: 289	820 English.....	2: 1512
330 Economics.....	I: 319	830 German.....	2: 1639
340 Law.....	I: 389	840 French.....	2: 1656
350 Administration.....	I: 417	850 Italian.....	2: 1676
360 Associations, Institutions.....	I: 449	860 Spanish.....	2: 1682
370 Education.....	I: 465	870 Latin.....	2: 1684
380 Commerce.....	I: 505	880 Greek.....	2: 1697
390 Customs, Folk-lore.....	I: 529	890 Minor languages.....	2: 1713
400 Philology.....	I: 555	Fiction.....	2: 1722
410 Comparative.....	I: 556	900 History.....	2: 2068
420 English.....	I: 558	910 Geography and travel.....	2: 2084
430 German.....	I: 566	920 Biography.....	3: 2708
440 French.....	I: 568	930 Ancient history.....	2: 2116
450 Italian.....	I: 569	940 Europe.....	2: 2154
460 Spanish.....	I: 569	950 Asia.....	2: 2335
470 Latin.....	I: 570	960 Africa.....	2: 2380
480 Greek.....	I: 571	970 North America.....	3: 2411
490 Minor languages.....	I: 571	980 South America.....	3: 2679
		990 Oceanica, Polar regions.....	3: 2688

General works

010 Bibliography

- BIBLIOGRAPHER**; monthly. 6v. 1882-84.....q010 B47
Continued by "Book-lore."
- BIBLIOGRAPHICA**; papers on books, their history and art;
quarterly. 3v. 1895-97.....q010 B473
v.3 contains a general index.
No more published.
- BOOK-LORE**; monthly. 6v. 1885-87.....q010 B63
Continuation of "Bibliographer."
- BOOKMAN** literary year-book. 1898.....r010 B631
- BOOKMART**; monthly. 8v. in 5. 1884-90.....q010 B6313
No more published.
- BOOKWORM**; an illustrated treasury of old-time literature;
monthly. 7v. 1888-94.....r010 B6312
No more published.
- BULLETIN** of bibliography. v.1-date. 1897-date.....q010 B87
- BURTON**, John Hill.
Book-hunter.010 B95
- CAMPBELL**, Frank.
Theory of national and international bibliography, with
special reference to the introduction of system in the
record of modern literature. 1896.....r010 C15
- CLEGG**, James, *comp.*
International directory of booksellers, and bibliophile's
manual, including lists of the public libraries of the
world. 1899.....r010 C551
Bibliographical works of reference, p.313-344.
- DIBDIN**, Thomas Frognall.
Bibliomania; or, Book-madness. 1876.....q010 D54
- ELTON**, Charles Isaac, & Mary Augusta.
Great book-collectors. 1893. (Books about books.).....010 E56
- FIELD**, Eugene.
Love affairs of a bibliomaniac. 1896.....010 F45
"Field conceived the volume as recording the talk and recollections of
a collector of mature years, looking back fondly upon the passions of
his life and passing them on to his fellows with modesty, but withal a
conviction that he who makes two bibliomaniacs to grow frenzied
where only one was mad before is a benefactor to the human race."
New York tribune.
- GENTLEMAN'S** magazine library; ed. by G. L. Gomme; Bib-
liographical notes. 1889.....010 G29
- GROWOLL**, Adolf.
American book clubs; their beginnings and history, and a
bibliography of their publications. 1897.....r010 G94
- LANG**, Andrew.
The library. 1892.....010 L23

- LIBRARIAN, by James Savage; monthly. 3v. in 2. 1808-09...ro10 L68
No more published.
- LITERARY year-book. v.1-5. 1897-1901.....ro10 L74
- MAXWELL, Sir Herbert Eustace.
Rainy days in a library. 1896.....o10 M52
- MERRYWEATHER, F. Somner.
Bibliomania in the middle ages. 1849.....ro10 M63
- POWELL, G. H.
Excursions in Libraria; retrospective reviews and bibliographical notes. 1896.....ro10 P87
The same. 1896.....o10 P87
Contents: The philosophy of rarity.—A Gascon tragedy, 14th century.—A shelf of old story-books.—The pirate's paradise, 1740.—A medley of "Memoirs."—With Rabelais at Rome, 1536.—The wit of history.
- POWER, John, *comp.*
Handy-book about books. 1870.....ro10 P874
- ROBERTS, William.
Book-hunter in London; historical and other studies of collectors and collecting. 1895.....o10 R53
- ROGERS, Walter Thomas.
Manual of bibliography. 1891.....ro10 R61
- ROUYEYRE, Édouard, *ed.*
Connaissances nécessaires à un bibliophile; accompagnées de notes critiques et de documents bibliographiques. 10v. in 5. 1899.....ro10 R78
- SLATER, John Herbert, *comp.*
Library manual; a guide to the formation of a library.....ro10 S63
- SLATER, John Herbert.
The romance of book-collecting. 1898.....o10 S63
Contents: In eulogy of catalogues. — A comparison of prices. — Some lucky finds.—The forgotten lore society.—Some hunting-grounds of London.—Vagaries of book-hunters.—How fashion lives.—The rules of the chase.—The glamour of bindings.—The hammer and the end.
- UZANNE, Louis Octave.
Bouquinistes et bouquineurs; physiologie des quais de Paris du Pont Royal au Pont Sully. 1893.....o10 U35
Studies of the open-air booksellers and book-lenders and their stalls along the Paris quays, with some account of the history of the trade.
- WHEATLEY, Henry Benjamin.
Prices of books; an inquiry into the changes in the price of books which have occurred in England at different periods. 1898. (Library series.).....o10 W59
- BRUNET, Jacques Charles, *comp.*
Manuel du libraire, avec supplément. 8v. 1860-80.....ro11 B83
- DIBDIN, Thomas Frognall.
Library companion. 2v. 1824.....ro11 D54
A general bibliography, descriptive and critical. It gives special attention to old and rare editions. Dibdin's bibliographical work was severely criticised in contemporary reviews, which pronounced it inaccurate and misleading, and it is largely as bibliographical curiosities that his books retain interest to-day.
- DUCLOS, l'abbé, *comp.*
Dictionnaire bibliographique, historique et critique des

- livres rares. 3v. 1790.....r011 D86
 "Cet ouvrage auquel Caillean passe pour avoir travaillé, est tout entier
 de Duclos." *Quérard*.
 GRAESSE, Johann Georg Theodor, *comp*.
 Trésor de livres rares et précieux, avec supplément. 7v. in
 8. 1859-69.....q011 G76
 WATT, Robert, *comp*.
 Bibliotheca Britannica; or, A general index to British and
 foreign literature. 4v. 1824.....q011 W32

012-013 Bibliography of individual authors

- BAKER, William Spohn.
 Bibliotheca Washingtoniana. 1889.....q012 W27
 CORNELL UNIVERSITY—Library.
 Catalogue of the Dante collection presented by Willard
 Fiske. 2v. 1898-1900.....q012 D23
 v.1. Dante's works.—Works on Dante (A-G).
 v.2. Works on Dante (H-Z).
 FISH, Daniel, *comp*.
 Lincoln literature; a bibliographical account of books and
 pamphlets relating to Abraham Lincoln. 1900.....q012 L71
 KOCH, Theodore Wesley.
 Growth & importance of the Cornell Dante collection.
 1900.q012 D23k
 Reprinted from the "Cornell magazine," June 1900.
 KOCH, Theodore Wesley, *comp*.
 Hand-list of framed reproductions of pictures and portraits
 belonging to the Dante collection of Cornell university.
 1900. (Cornell university. Publications.).....q012 D23k
 Bound with the above.
 LINCOLN, Abraham.
 Catalogue of Lincolnia; a collection of engravings, litho-
 graphs, books, eulogies, orations, pamphlets, etc. relat-
 ing wholly or in part to Abraham Lincoln. 1902.....r012 L71c
 MINER, William Harvey, *comp*.
 Daniel Boone; a contribution toward a bibliography of
 writings concerning Daniel Boone. 1901.....r012 B63m
 OSWALD, Eugen, *comp*.
 Goethe in England and America; bibliography. 1899.
 (English Goethe society. Publications, no.8.).....r012 G550
 Reprinted from "Die neueren sprachen," Marburg.
 PHILADELPHIA—Free library.
 Bulletin, Nov. 1898-date. v.1-date. 1898-date.....q012 P49
 v.1 (no.1-4). Descriptive catalogue of the writings of Sir Walter Scott,
 by John Thomson.—Descriptive catalogue of the series of works
 known as the Library of old authors, by John Thomson.—Indexes to
 the first lines and to the subjects of the poems of Robert Herrick.—
 Some notes on the bibliography of the Philippines, by T. C. Middle-
 ton.
 Issued irregularly. These four numbers are all that have appeared up
 to August 1902.
 SCOTT, Temple, *comp*.
 Bibliography of the works of William Morris. 1897.....r012 M91
 SHEA, John Gilmary, *comp*.
 Bibliography of Hennepin's works. 1880.....r012 H44

- SHEPHERD, Richard Herne, *comp.*
 Bibliography of Carlyle; a list of the published writings of Carlyle, 1820-1881. 1881.....r012 C21
 Bibliography of Coleridge; a list of the published and privately-printed writings of Coleridge; enl. by W. F. Prideaux. 1900.....r012 C68
 Bibliography of Dickens; a list of the published writings of Dickens, 1834-1880. 1880.....r012 D55
 Bibliography of Ruskin; a list of the published writings of Ruskin, 1834-1879. 1879.....r012 R89
 Bibliography of Tennyson; a list of the published and privately-printed writings of Tennyson, 1827-1894. 1896..r012 T295
 SPRINGFIELD, Mass. CITY LIBRARY ASSOCIATION.
 Cromwell list; notes for the study of Oliver Cromwell and his times, with special reference to Arthur Paterson's novel "Cromwell's own," together with various other writings relating to the life of the lord protector. 1899..r012 C89
 WINSHIP, George Parker, *comp.*
 Cabot bibliography, with an introductory essay on the careers of the Cabots, based upon an independent examination of the sources of information. 1900.....r012 C11
 UNITED STATES—Library of Congress.
 Preliminary list of books and pamphlets by negro authors; comp. by Daniel Murray. 1900.....r013 U25

014 Anonyms, pseudonyms

- BARBIER, Antoine Alexandre, *comp.*
 Dictionnaire des ouvrages anonymes. 4v. 1872-79.....r014 B23
 CUSHING, William, *comp.*
 Anonyms. 1890.....qr014 C93a
 Initials and pseudonyms, 1st-2d ser. 2v. 1885-88.....qr014 C93
 HALKETT, Samuel, & Laing, John, *comp.*
 Dictionary of the anonymous and pseudonymous literature of Great Britain. 4v. 1882-88.....qr014 H16

015 Bibliography of special countries

- AMERICAN catalogue, 1876-1900. v.1-6. 1889-1900.....qr015 A51
 ANNUAL American catalogue, 1889-date. v.4-date. 1890-date.....qr015 A61
 BENT, W. *pub.*
 London catalogue of books, 1800-1827. 1827.....r015 B44
 BIBLIOGRAPHIE de la France; ou, Journal général de l'imprimerie et de la librairie; weekly. v.1-date. 1810-date..qr015 B47
 BOWKER, Richard Rogers, *comp.*
 State publications; a provisional list of the official publications of the several states of the United States, from their organization. v.1. 1899.....r015 B66s
 v.1. New England states.

- BOWKER, Richard Rogers, & Hickcox, J. H. comp.**
 United States government publications, July 1, 1884-June 30, 1890. 1891.....qro15 B66
 Reprint of the appendix of the "American catalogue," 1884-90.
- CARDIFF FREE LIBRARIES, Cardiff, Wales.**
 Catalogue of printed literature in the Welsh department. 1898.qro15 C19
- CATALOGUE annuel de la librairie française, 1893-1898;**
 rédigé par D. Jordell. 6v. 1894-99.....ro15 C27
 Continued as "Répertoire bibliographique de la librairie française," ro15 C27r.
- CUMULATED index to the books of 1898-date. v.1-date.**
 1900-date.qro15 C91
- ENGLISH catalogue of books, 1835-1900. v.1-6. 1864-1901..qro15 E64**
- ENGLISH catalogue of books; annual, 1892-date. v.56-date.**
 1893-date.qro15 E64a
 v.56-64, 1892-1900, bound with the "Annual American catalogue" for the same years.
- GROWOLL, Adolf.**
 Book-trade bibliography in the United States in the 19th century, to which is added A catalogue of all the books printed in the United States with prices and places where published annexed, published by the booksellers in Boston, January 1804. 1898.....ro15 G94
 Contains sketches of some American bookseller-bibliographers, including Henry Stevens and Frederick Leyboldt.
- HAIGHT, W. R. comp.**
 Annual Canadian catalogue of books, 1896. v.1. 1898....ro15 H14a
 Supplement to his "Canadian catalogue of books."
 Canadian catalogue of books, 1791-1895. v.1. 1896.....ro15 H14
- HEINSIUS, Wilhelm, comp.**
 Allgemeines bücher-lexikon; oder, Vollständiges alphabetisches verzeichniss der von 1700 bis 1893 erschienenen bücher welche in Deutschland gedruckt worden sind. 19v. in 26. 1812-94.....qro15 H4a
- HILDEBURN, Charles Swift Riché, ed.**
 Century of printing; the issues of the press in Pennsylvania, 1685-1784. 2v. 1885-86.....qro15 H54
 v.1. 1685-1763.
 v.2. 1764-1784.
 Amplification of his "List of the publications issued in Pennsylvania," giving full descriptions of titles, with collations, of books, pamphlets and broadsides. Contains an autograph letter from the author.
 List of the publications issued in Pennsylvania, 1685 to 1759. 1882.qro15 H541
 A preliminary list, giving only short titles, with the name of the printer, and the date of issue, amplified in his "Century of printing." Ma. annotations by Isaac Craig.
- HINRICHS, J. C. pub.**
 Verzeichniss der im deutschen buchhandel neu erschienenen und neu aufgelegten bücher, landkarten, &c. v.190-date. 1893-date.....qro15 H56
 v.206-date title reads "Hinrichs' halbjahrs-katalog der im deutschen buchhandel erschienenen bücher, landkarten, &c."
- HODGSON, Thomas, pub.**
 London catalogue of books, 1831-1855. 1855.....ro15 H66

KAYSER, Christian Gottlob, *comp.*

Vollständiges Bücher-Lexicon. v.1-30, in 24. 1834-1900...qr015 K14

LE SOUDIER, H. *pub.*

Bibliographie française; recueil de catalogues des éditeurs

français. 6v. 1896.....r015 L64

The same. Ed. 2. 10v. 1900.....qr015 L64b

Mémorial de la librairie française; revue hebdomadaire

des livres; complément de la Bibliographie française,

1896-date. v.3-date. 1896-date.....r015 L64m

LORENZ, Otto Henri, *comp.*

Catalogue général de la librairie française, 1840-1899. v.1-

14. 1867-1901.....r015 L87

v.1-4. 1840-1865.

v.5-6. 1866-1875.

v.7-8. Table des matières, 1840-1875.

v.9-10. 1876-1885.

v.11. Table des matières, 1876-1885.

v.12. 1886-1890; rédigé par D. Jordell.

v.13. Table des matières, 1886-1890; rédigé par D. Jordell.

v.14. 1891-1899; rédigé par D. Jordell.

LOWNDES, William Thomas, *comp.*

Bibliographer's manual of English literature; new edition

by H. G. Bohn. 6v. 1869.....r015 L96

The same. 5v. in 4. 1858-64.....r015 L96b

NIJHOFF, Martinus, *pub.*

Sciences, belles-lettres et arts dans les Pays-bas, surtout

au 19e siècle; bibliographie systématique. v.1. 1895....r015 N34

v.1. Linguistique, histoire littéraire, belles-lettres.

PUBLISHERS' trade list annual. v.12, 16, 18, 20, 22-date.

1884-date.qr015 P98

REFERENCE catalogue of current literature, 1894-1898. 3v.

1894-98.r015 R28

RÉPERTOIRE bibliographique de la librairie française,

1900-date; rédigé par D. Jordell. v.1-date. 1901-date...r015 C27r

Continuation of "Catalogue annuel de la librairie française," r015 C27.

ROORBACH, Orville Augustus, *comp.*

Bibliotheca Americana; catalogue of American publications,

1820-1852. 1852.....r015 R68

SAMPSON, Frederick Asbury.

Bibliography of Missouri authors. 1901.....qr015 S19

Reprint from "Encyclopædic history of Missouri."

STEVENS, Henry, *comp.*

American books with tails to 'em; a private pocket list of

the incomplete or unfinished American periodicals,

transactions, memoirs, judicial reports, laws, journals,

legislative documents and other continuations and

works in progress supplied to the British museum and

other libraries, by Henry Stevens. 1873.....r015 S84

TRÜBNER, Nicolas, *comp.*

Bibliographical guide to American literature; a classed list

of books published in the United States during the last

40 years. 1859.....r015 T77

UNITED STATES catalog; books in print, 1899; ed. by G. F. Danforth and M. E. Potter. 1900.....qro15 U2532

o16 Bibliography of special subjects

Many other bibliographies, forming parts of books, will be found noted with the books, under the subjects of which the books themselves treat.

AMERICAN LIBRARY ASSOCIATION.

Catalog of "A. L. A." library; 5000 volumes for a popular library selected by the American library association and shown at the World's Columbian exposition. 1893..ro16 A51
Published by the United States bureau of education.

BEST reading, 1st-4th ser. 4v. 1877-93.....ro16 B46
v.1 ed. by F. B. Perkins; v.2-4, by L. E. Jones.

BOWKER, Richard Rogers, comp.

Publications of societies; a provisional list of the publications of American scientific, literary and other societies, from their organization. 1899.....ro16 B66

BRITISH MUSEUM.

Subject index of the modern works added to the library, 1891-1895. 1897.....qro16 B75

HARVARD UNIVERSITY—Library.

Bibliographical contributions; ed. by Justin Winsor. v.1, no.12; v.2, no.22, 31-37; v.3, no.38-51; v.4, no.52-53, in 2. 1881-98.qro16 H33

Partial contents: v.1-3. Lane, W. C. comp. Dante collections in the Harvard college and Boston public libraries.—Woodberry, G. E. Notes on the ms. volume of Shelley's poems in the library of Harvard college.—Weitenkampf, Frank, comp. Bibliography of William Hogarth.—Potter, A. C. comp. Bibliography of Beaumont and Fletcher.—Gross, Charles, comp. Classified list of books relating to British municipal history.—Lane, W. C. & Bolton, C. K. comp. Notes on special collections in American libraries.—Weeks, S. B. comp. Bibliography of the historical literature of North Carolina.—Morgan, M. H. comp. Bibliography of Persius.—Albee, L. R. comp. The Bartlett collection; a list of books on angling, fishing and fish culture in the Harvard college library.

v.4. Potter, A. C. & Bolton, C. K. comp. Librarians of Harvard college, 1667-1877.—Brown, W. G. comp. List of portraits in the various buildings of Harvard university.

HASSE, Adelaide Rosalie, comp.

Reports of explorations printed in the documents of the United States government; a contribution toward a bibliography. 1899. (United States—Documents office.)..ro16 U25

LADIES' HOME JOURNAL.

Five thousand books; a guide to the best books. 1895....ro16 L13

NEW YORK (state)—Library.

Bulletin; bibliography. v.1-date. 1895-date.....ro16 N26

v.1 (no.1-20). Guide to the study of Whistler, by W. G. Forsyth and J. L. Harrison.—Reading list; colonial New England, by M. C. Wilson.—Select bibliography on travel in North America, by C. W. Plympton.—Reading list on the history of the 17th century, by G. F. Leonard.—Selection of reference books for the use of cataloguers in finding full names.—Reading list on Japan, by H. K. Gay.—Reading list on Venice, by Helen Sperry.—Reading list of out-of-door books, by H. H. Stanley.—Reading list on the Netherlands, by E. G. Thorne.—Reading list on renaissance art of the 15th and 16th centuries, by A. S.

- Ames and E. P. Andrews.—Reading list on history of latter half of 15th century, by Etheldred Abbot.—Best books of 1897, with notes.—Fairy tales for children, by F. J. Olcott.—Index to subject bibliographies in library bulletins, by Alice Newman.—Reading list on Russia, by A. L. Morse.—Illustrative material for nature study in primary schools, by C. W. Hunt.—Bibliography of biography of musicians, by A. L. Bailey.—Best books of 1898, with notes.—College libraries of the United States; contribution toward a bibliography, by Hugh Williams.—Reading list on house decoration and furnishing, by E. E. Miersch.
- v.2 (no.21-30). Best books of 1899, with notes.—Bibliography of domestic economy, by R. K. Shaw.—Reference list on Connecticut local history by C. A. Flagg.—Bibliography of New York colonial history, by C. A. Flagg and J. T. Jennings.—China and the Far East, 1889-99, by Margaret Windeyer.—Reference list on Maine local history, by D. B. Hall.—Best books, 1900, with notes.—List of a \$500 library recommended for schools.
- v.3 (no.31-32). Monopolies and trusts in America, 1895-99, by Fanny Borden.—Biography for young people, by B. E. Hyatt.
- NEW YORK (state)—University—Extension department.
Syllabus, no.1-71. 3v. 1892-98.....?.....ro16 N261
no.18, 45 wanting.
- SARGANT, E. B. & Whishaw, Bernhard.
Guide book to books. 1891.....qro16 S24
- SONNENSCHNEIDER, William Swan, *comp.*
Best books; a reader's guide. 1894.....qro16 S69
Reader's guide to contemporary literature; 1st supplement
to Best books. 1895.....qro16 S69r
- STEVENS, Benjamin Franklin, *comp.*
One thousand English books in handsome bindings recommended for the English portion of an American home library. 1874.....ro16 S84

016.01 Bibliography of bibliography

- JOSEPHSON, Aksel Gustav Salomon, *comp.*
Bibliographies of bibliographies; chronologically arranged, with occasional notes. 1901. (Chicago, Bibliographical society. Contributions to bibliography, no.1.)....ro16.01 J44
- OTTINO, Giuseppe, & Fumagalli, Giuseppe, *comp.*
Bibliotheca bibliographica Italica; catalogo degli scritti di bibliologia, bibliografia e biblioteconomia pubblicati in Italia e di quelli riguardanti l'Italia pubblicati all'estero.
5v. in 1. 1889-1901.....qro16.01 O31
- PETZOLDT, Julius, *ed.*
Bibliotheca bibliographica; kritisches verzeichniss der das gesamtgebiet der bibliographie betreffenden litteratur des in- und aus-landes, in systematischer ordnung.
1866.ro16.01 P46
- VALLÉE, Léon, *comp.*
Bibliographie des bibliographies, avec supplément. 2v. in 1. 1883-87.....ro16.01 V16

016.05-016.07 Bibliography of periodicals and newspapers

- ANNUAIRE des journaux, revues et publications périodiques parus à Paris; publié par H. Le Soudier. v.18, 22. 1898-1900.ro16.05 A61

BOSTON—Public library.

List of periodicals, newspapers, transactions and other serial publications currently received in the principal libraries of Boston and vicinity. 1897.....qr016.05 B64

CARNEGIE FREE LIBRARY, Allegheny, Pa.

Catalogue of periodicals and newspapers. 1899.....r016.05 C21

CHICAGO LIBRARY CLUB, *comp.*

List of serials in public libraries of Chicago and Evanston, corrected to Jan. 1901. 1901.....r016.05 C43

STEIGER, Ernst, *comp.*

Periodical literature of the United States of America, with index and appendices. 1873.....qr016.05 S81

UNITED STATES—Library of Congress.

Union list of periodicals, transactions and allied publications currently received in the principal libraries of the District of Columbia. 1901.....qr016.05 U25

JAMES, Edmund Janes, & Loveless, M. J. *comp.*

Bibliography of newspapers published in Illinois prior to 1860. 1899. (Illinois state historical library. Publications, v.1.).....r016.07 J16

UNITED STATES—Library of Congress.

Check list of American newspapers in the Library of Congress. 1901.....qr016.07 U25

WISCONSIN HISTORICAL SOCIETY.

Annotated catalogue of newspaper files in the library; *comp.* by E. H. Blair. 1898.....r016.07 W81

016.09 Bibliography of book rarities**CARNEGIE LIBRARY OF PITTSBURGH**.

Descriptive list of some old books and mss, some fine editions and fine bindings and some books on printing, exhibited Nov. 5-Dec. 31, 1896. 1896.....r016.09 C21

QUARITCH, Bernard, *comp.*

Catalogue of the monuments of the early printers in all countries, offered for cash by Quaritch. 1888.....r016.093 Q18
Contents: Germany and the Low countries.—Italy.—France.—Spain, Portugal, north and east Europe, America and the East.—England.

ROSENTHAL, Jacques, *comp.*

Incunabula typographica; catalogue d'une collection d'incunables décrits et offerts aux amateurs à l'occasion du cinquième centenaire de Guttenberg. 1900.....r016.093 R72

BRITISH MUSEUM.

Catalogue of books in the library printed in England, Scotland and Ireland, and of books in English printed abroad, to 1640. 3v. 1884.....r016.094 B75

GOLDSMID, Edmund, *comp.*

Complete catalogue of all the publications of the Elzevier presses at Leyden, Amsterdam, The Hague and Utrecht, with introduction, notes and appendix containing a list of all works, whether forgeries or anonymous publica-

- tions, generally attributed to these presses. 3v. in 1.
1886-88. (*Bibliotheca curiosa*).....r016.094 G58
- HARSNETT LIBRARY, Colchester, England.
Catalogue. 1888.....q016.094 H31
Life of Bishop Harsnett, p.5-34.
- RENOUARD, Antoine Augustin.
Annales de l'imprimerie des Alde; ou, Histoire des trois Manuce et de leurs éditions, & supplément. 2v. 1803-12..r016.094 R34
Bibliographical sketch of the Aldine press at Venice; tr. and abridged from Renouard's Annales de l'imprimerie des Aldes, and revised and corrected by Edmund Goldsmid. 3v. in 1. 1887.....r016.094 R34b
- GROLIER CLUB, New York.
Catalogue of an exhibition of illuminated and painted manuscripts, together with a few early printed books with illuminations. 1892.....r016.096 G93
Bibliography of mss, p.57-64.
- KRISTELLER, Paul.
Early Florentine woodcuts, with an annotated list of Florentine illustrated books. 1897.....q016.096 K42

016.178 Bibliography of tobacco

- BRAGGE, William.
Bibliotheca nicotiana; a catalogue of books about tobacco, with a catalogue of objects connected with the use of tobacco in all its forms. 1880.....q016.178 B68

016.2 Bibliography of religion

- HURST, John Fletcher, *comp.*
Literature of theology; a classified bibliography. 1896..r016.2 H95
- DORE, John Read.
Old Bibles; account of the early versions of the English Bible. 1888.....r016.22 D73
- STEVENS, Henry, *comp.*
Bibles in the Caxton exhibition, 1877; or, A bibliographical description of nearly 1000 representative Bibles in various languages, chronologically arranged. 1878.....r016.22 S84
- WRIGHT, John.
Early Bibles of America. 1894.....r016.22 W93
Early prayer books of America. 1896.....r016.264 W93
Bibliography, p.428-480.
- BOWERMAN, George Franklin, *comp.*
Selected bibliography of the religious denominations of the United States, with a list of the most important Catholic works of the world, as an appendix, comp. by J. H. McMahon. 1896.....r016.28 B66
- SMITH, Joseph, *bookseller, comp.*
Bibliotheca anti-Quakeriana; or, A catalogue of books adverse to the Society of Friends. 1873.....q016.289 S65

D'OOGHE, Benjamin L. *comp.*

Helps to the study of classical mythology for the lower grades and secondary schools. 1899.....r016.291 D73
Under each mythological name and legend are given references to books and magazines, subdivided as they consider the subject from the standpoint of art, religion or literature. Contains a list of books indexed, a table of contents and a very full index. Helpful for both teachers and students.

r016.3 Bibliography of sociology

BOWKER, Richard Rogers, & Iles, George, *ed.*

Reader's guide in economic, social and political science.
1891.r016.3 B66

ARMOR, William Crawford, *comp.*

Scotch-Irish bibliography of Pennsylvania. 1896.....r016.325 A73

UNITED STATES—Library of Congress.

List of books, with references to periodicals, relating to the theory of colonization, government of dependencies, protectorates and related topics; comp. by A. P. C. Griffin. 1900.....r016.325 U25

FAIRCHILD, Mrs Mary Salome (Cutler), & Lord, I. E.

Scientific study of philanthropy, with Outline of study and bibliography. 1898.....qro16.33 F15
Being a reprint from the "American journal of sociology," v.3, 1898.

MAROT, Helen, *comp.*

Handbook of labor literature. 1899.....r016.33 M39
Offers the more important literature of the labor question, under specific headings, with author, publisher, price, etc. Particular attention has been given to government publications and pamphlet literature. In the annotations valuation of the books has been generally avoided, the notes simply explaining more fully than the titles, the contents of the books. The periodical literature, which is very important, has been omitted, as it is already covered by Poole's index and its continuations. Contains a list of labor periodicals.

COLLEGE SETTLEMENTS ASSOCIATION.

Bibliography of college, social, university and church settlements; comp. by Mrs C. W. Montgomery for the College settlements association. 1900.....r016.331 C69

SAWYER, Ellen M. *comp.*

Bibliography of works on taxation in the State library of Massachusetts. 1898. (Massachusetts—State library. Special bulletin.).....r016.336 S27

UNITED STATES—Library of Congress.

List of books, with references to periodicals, relating to trusts; comp. by A. P. C. Griffin. 1900.....r016 U25
Bound with other pamphlets.
The same. Ed. 2 enl. 1902.....qro16.338 U25

PENNSYLVANIA—State library.

Catalogue of law books; issued under the supervision of G. E. Reed, prepared by W. W. Chisolm. 1899.....qro16.34 P39

TOWER, Charlemagne.

Charlemagne Tower collection of American colonial laws.
1890.qro16.34 T65

- FOSTER, William Eaton, *comp.*
References to the constitution of the United States. 1890.
(Economic tracts.).....r016.342 F81
- BROOKS, Robert Clarkson, *comp.*
Bibliography of municipal problems and city conditions.
1901.r016.352 B77
Published originally, with a slightly different title, as v.1, no.1 of
"Municipal affairs."
This, the 2d ed., was issued as v.5, no.1 of the same periodical.
- GROSS, Charles, *comp.*
Bibliography of British municipal history, including guilds
and parliamentary representation. 1897. (Harvard his-
torical studies.).....r016.352 G93
- COLUMBIA UNIVERSITY, New York—Library.
Books on education in the libraries of Columbia university.
1901. (Library bulletins, no.2.).....q016.37 C72
- HALL, Granville Stanley, & Mansfield, J. M. *comp.*
Hints toward a select and descriptive bibliography of
education. 1893.....r016.37 H17
"The work is so comprehensive, and the result of such painstaking labor,
that it will be found of great value to every student and reader in the
broad field of pedagogics." *Science*.
- MONROE, Will Seymour, *comp.*
Bibliography of education. 1897. (International education
series.)r016.37 M83
Does not include text-books nor references to articles in periodicals.
- UNITED STATES—Education bureau.
Publications, 1867–1890, with subject index. 1891.....r016.37 U25
Reprint of chapter 35 of the Report of the commissioner of education
for 1888–89.
- AMERICAN MANUAL TRAINING ASSOCIATION, *comp.*
Bibliography of manual training. 1898.....r016.371 A51
- WILSON, Louis N. *comp.*
Bibliography of child study. 1898.....r016.372 W76
Appeared in the "Pedagogical seminary," v.5, p.541–589.
- UNITED STATES—Library of Congress.
List of books, with references to periodicals, on mercantile
marine subsidies; comp. by A. P. C. Griffin. 1900....r016.38 U25
- UNITED STATES—Documents office.
Bibliography of United States documents relating to inter-
oceanic communication across Nicaragua, Isthmus of
Panama, Isthmus of Tehuantepec, etc. 1899.....r016 U25
- UNITED STATES—Library of Congress.
List of books and of articles in periodicals relating to inter-
oceanic canal and railway routes; comp. by H. A. Mor-
rison. 1900. (56th cong. 1st sess. Senate. Doc. no.59.)...r016 U25
Contents: Nicaragua route.—Panama, Darien, and the valley of the
Atrato routes.—Tehuantepec and Honduras routes.—Suez canal.
Contains, as an appendix, a revised and enlarged edition of the "Bibliog-
raphy of the United States public documents relating to interoceanic
communication," issued by the superintendent of documents.
Bound with other pamphlets.

016.4 Bibliography of language

TRÜBNER & CO.

Catalogue of dictionaries and grammars of the principal languages and dialects of the world. 1882.....r016.4 T77

BRAUNHOLTZ, Eugen Gustav Wilhelm.

Books of reference for students & teachers of French; a critical study. 1901.....r016.44 B71

016.5 Bibliography of science

CARNEGIE FREE LIBRARY, Allegheny, Pa.

Catalogue of the Phipps scientific collection. 1893.....r016.5 C21

ROYAL SOCIETY OF LONDON, *comp.*

Catalogue of scientific papers, 1800-1883. v.1-12. 1867-1902.q016.5 R81
v.1-6. 1800-1863. v.7-8. 1864-1873. v.9-11. 1874-1883.
v.12. Supplementary volume.

SCUDDER, Samuel Hubbard, *comp.*

Catalogue of scientific serials of all countries, including the transactions of learned societies in the natural, physical and mathematical sciences, 1633-1876. 1879. (Harvard university—Library. Special publications.).....r016.5 S43

UNITED STATES—Coast and geodetic survey.

Bibliography; descriptive catalogue of publications relating to the Coast and geodetic survey, 1807 to 1896, and to U. S. standard weights and measures, 1790 to 1896. 1898. (Special publication no.2.).....r016.5 U25

CARNEGIE FREE LIBRARY, Allegheny, Pa.

Catalogue of electricity. 1895.....r016.823 C21
Bound with its "Catalogue of fiction."

SCHMIDT-HENNIGER, Friedrich, *comp.*

Elektrotechnikers litterarisches auskunftsbuch; die litteratur der elektrotechnik, elektricität, elektrochemie, elektrometallurgie, des magnetismus, der telegraphie, telephonie, blitzschutzvorrichtung, Röntgen-strahlen, sowie der acetylen- und carbid-industrie der jahre 1884 bis 1900. 1900.....r016.537 S35

BOLTON, Henry Carrington, *comp.*

Select bibliography of chemistry; first supplement, 1492-1897. 1899. (Smithsonian miscellaneous collections.).....r016.54 C42
The bibliography which this supplements, forms v.36 of the Smithsonian miscellaneous collections. There is a second supplement covering academic dissertations from 1492 to 1897, which forms v.41 of the same set. Both of these are in the Library, call number, r506 S66m.

MARGERIE, Emmanuel de, *comp.*

Catalogue des bibliographies géologiques. 1896.....q016.55 M38

UNITED STATES—Geological survey.

List of the publications of the survey. 1898.....r016.55 U25

The same. 1900.....r016.55 U251

IRON CITY MICROSCOPICAL SOCIETY.

Manuscript catalogue of the library of the society....q016.578 I28

DECAISNE, Joseph.

Catalogue de la bibliothèque de M. Decaisne. 1883....r016.58 D35
JACKSON, Benjamin Daydon, *comp.*

Guide to the literature of botany, including 6000 titles not
given in Pritzel's Thesaurus. 1881. (Index society.
Publications.)r016.58 J12
KEW GARDENS.

Catalogue of the library of the Royal botanic gardens, Kew.
1899. (Kew gardens. Bulletin of miscellaneous in-
formation, additional series.).....r016.58 K23

WHELDON, John, *comp.*

Botanical catalogue. 1886.....r016.58 W61

DEBY, Julien, *comp.*

Bibliography of the microscope and micrographic studies;
being a catalogue of books and papers in his library.
v.3. 1882.....qr016.589 D35
v.3. Diatomaceæ.

BIBLIOGRAPHIA zoologica. v.3-date. 1898-date.....r016.59 B47
Published as a supplement to "Zoologischer anzeiger."

UNITED STATES—Entomology division.

Bibliography of the more important contributions to Amer-
ican economic entomology. pt.1-5, 7, in 3v. 1890-
1901.r016.595 U25
v.1, pt.1-3. The more important writings of Benjamin Dann Walsh and
Charles Valentine Riley; comp. by Samuel Henshaw.
v.2, pt.4-5. The more important writings of government and state ento-
mologists and of other contributors to the literature of American
economic entomology; comp. by Samuel Henshaw.
v.4, pt.7. The more important writings published between Dec. 31, 1896
and Jan. 1, 1900; comp. by Nathan Banks.

r016.6 Bibliography of useful arts

HAFERKORN, Henry Ernest, & Heise, Paul, *comp.*

Handy lists of technical literature; reference catalogue of
books printed in English from 1880 to 1888; to which is
added a select list of books printed before 1880 and still
kept on publishers' and jobbers' lists. 1890-93.....r016.6 H13
SZCZEPANSKI, Fritz von, *ed.*

Bibliotheca polytechnica; a classified catalogue of all books,
annuals and journals published in America, England,
France and Germany, including their relation to legisla-
tion, hygiene and daily life, 1889. v.1. 1890.....r016.6 S99

PENNSYLVANIA HOSPITAL, Philadelphia.

Catalogue raisonné of the medical library. 1857.....r016.61 P39

UNITED STATES—Surgeon-general's office.

Index-catalogue of the library; authors and subjects. 1st
ser. 16v.; 2d ser. v.1-6. 1880-1901.....qr016.61 U25
WARING, Edward John, *comp.*

Bibliotheca therapeutica; or, Bibliography of therapeutics,
chiefly in reference to articles of the materia medica. 2v.
1878-79. (New Sydenham society. Publications.)...r016.615 W22
AMERICAN SOCIETY OF CIVIL ENGINEERS.

Catalogue of the library, June 1900.....r016.62 A51

INSTITUTION OF CIVIL ENGINEERS.

Catalogue of the library. 1866.....r016.62 I24

INSTITUTION OF MECHANICAL ENGINEERS.

Library catalogue, 1890.....r016.62 I247

BARNETT, Claribel Ruth, *comp.*

References to the literature of the sugar beet, exclusive of works in foreign languages. 1897. (United States—Agriculture, Department of. Library bulletin no.16.)...q016.63 B25

CLARK, Josephine A. *comp.*

Reference list of publications relating to edible and poisonous mushrooms. 1898. (United States—Agriculture, Department of. Library bulletin no.20.).....r016.63 U25

HASSE, Adelaide Rosalie, *comp.*

List of publications of the U. S. department of agriculture from 1841 to June 30, 1895, inclusive. 1896. (United States—Agriculture, Department of. Library bulletin no.9.).....r016.63 U25

THOMPSON, George Fayette, *comp.*

Index to authors, with titles of their publications, appearing in the documents of the U. S. department of agriculture, 1841 to 1897. 1898. (United States—Agriculture, Department of. Bulletin of the Division of publications, no.4.).....r016.63 U25

The three preceding pamphlets are bound together.

Index to literature relating to animal industry in the publications of the Department of agriculture, 1837-1898. 1900. (United States—Agriculture, Department of. Bulletin of the Division of publications, no.5.).....r016.63 T38

UNITED STATES—Agriculture, Department of.

Catalogue of the periodicals and other serial publications, exclusive of U. S. government publications, in the library of the U. S. department of agriculture; prepared under the direction of J. A. Clark. 1901. (Library bulletin no.37.).....r016.63 U25c

List of publications relating to forestry in the department library. 1898. (Library bulletin no.24.).....r016.63 U25

Supplement to the general index of the agricultural reports for 1877 to 1885, inclusive.....r016.63 U25
Bound with the above.

UNITED STATES—Experiment stations office.

Some books on agriculture and sciences related to agriculture published 1896-1898. 1898. (Circular no.38.)...r016.63 U253

BOWKER, Richard Rogers, *comp.*

Handy list of American publishers, as entered in the American catalogue, 1884-90. 1890.....r016.655 B66

CASPAR, Carl Nicolaus, *comp.*

Caspar's directory of the American book, news and stationery trade. 1889.....q016.655 C25

HOE, Richard March.

Literature of printing; a catalogue of the library illustrative of the history and art of typography of R. M. Hoe. 1877.r016.655 H67

LEE, John W. M. *comp.*

Bibliography of the Baltimore and Ohio rail road company,
1827 to 1879. 1879.....ro16.656 L53

GARÇON, Jules, *comp.*

Répertoire général, ou dictionnaire méthodique de bibliographie des industries tinctoriales et des industries annexés, depuis les origines jusqu'à la fin de l'année 1896; technologie et chimie. 3v. 1900-01.....qro16.66 G17
v.1. Introduction et avertissement général.—Notice sur les sources bibliographiques du dictionnaire.—Tables.
v.2. Accidents de fabrication.—Kermès.
v.3. Laboratoire.—Zinc.

016.7 Bibliography of fine arts

HESSLING, Bruno, *pub.*

Verlagskatalog. 1899.....qro16.7 H49

HIERSEMAN, Karl W. *comp.*

New series of catalogues [no.108-115]; the fine arts; books and prints on sale by K. W. Hiersemann. 1893.....ro16.7 H52

ILES, George, *ed.*

Annotated bibliography of fine art. 1897.....qro16.7 I22
Contents: Painting, sculpture, architecture, arts of decoration and illustration, by Russell Sturgis.—Music, by H. E. Krehbiel.

LEWINE, J. *comp.*

Bibliography of 18th century art and illustrated books; a guide to collectors of illustrated works in English and French of the period. 1898.....ro16.7 L67

016.72 Bibliography of architecture

BATSFORD, Herbert, *comp.*

Reference books on architecture and decoration, with hints on the formation of an architectural library. 1895..bo16.72 B31

BOSTON—Public library.

Catalogue of the books relating to architecture, construction and decoration in the library, Nov. 1, 1894. 1894..qbo16.72 B64

CARNEGIE LIBRARY OF PITTSBURGH.

Catalogue of the J. D. Bernd department of architecture. 1898.bo16.72 C21

COLUMBIA UNIVERSITY, New York—Library.

Catalogue of the Avery architectural library; a memorial library of architecture, archæology and decorative art. 1895.qbo16.72 C72

LIVERPOOL, England—Free public libraries.

Hand-list of books on architecture in the Reference department. 1894.....bo16.72 L74

Hand-list of books on the decorative arts in the Reference department. 1899.....bor16.72 L74
Bound with the above.

016.78 Bibliography of music

- BECKER, Carl Ferdinand, *comp.*
 Systematisch-chronologische darstellung der musikalischen
 literatur. 2v. in 1. 1836-39.....q016.78 B36
 Die tonwerke des 16. und 17. jahrhunderts. 1855.....q016.78 B36t
- BREITKOPF & HÄRTEL, *pub.*
 Verzeichniss des musikalien-verlages von Breitkopf &
 Härtel. 1875.....r016.78 B72
- BURNEY, Charles.
 Catalogue of his library; sold by auction, June 1814.
 1814.r016.78 B93
 The prices at which the books were sold are given in ink on the margins.
- ENGEL, Carl, *comp.*
 Descriptive catalogue of the musical instruments in the
 South Kensington museum. 1874.....q016.78 E63
- ENGEL, Carl.
 Literature of national music. 1879.....r016.78 E631
 "A reprint of an essay published in instalments from July, 1878, to
 March, 1879, in The Musical Times of London, [v.19]. It is to be
 commended to the student of folk-music as an aid in the most diffi-
 cult feature of his study—the procurement of evidence and authori-
 ties." *H. E. Krehbiel.*
- FORKEL, Johann Nicolaus, *comp.*
 Allgemeine literatur der musik. 1792.....r016.78 F77
- HANDBUCH der musikalischen litteratur. 6v. in 1.
 1818-23.r016.78 H23
- MATTHEW, James Ebenezer.
 Literature of music. 1896. (Book-lover's library.)....r016.78 M47
- RIANO, Juan Facundo.
 Critical and bibliographical notes on early Spanish music.
 1887.r016.78 R38

Bibliography of fine arts—Miscellaneous

- GAYLEY, Charles Mills, & Scott, F. N. *comp.*
 Guide to the literature of æsthetics. 1890.....r016.701 G25
- NEW YORK (city), PUBLIC LIBRARY.
 Handbook of the S. P. Avery collection of prints and art
 books in the New York public library. 1901.....r016.76 N26
- SINGER, Hans Wolfgang, *comp.*
 Sammlung Lanna Prag; das kupferstichkabinet wissen-
 schaftliches verzeichniss. 2v. 1895.....r016.76 S61
- LOWE, Robert W. *comp.*
 Bibliographical account of English theatrical literature,
 from the earliest times to the present day. 1888....r016.792 L95
 "Deals with theatrical literature: the wider field of dramatic literature
 being touched upon only when in direct connection with theatres or
 actors. Thus the mass of critical and speculative Shakspearean liter-
 ature is excluded; and plays find no place in my scheme except where
 there is published with them historical or critical matter." *Preface.*

WESTWOOD, Thomas, & Satchell, Thomas, *comp.*

Bibliotheca piscatoria; a catalogue of books on angling,
the fisheries and fish-culture, with bibliographical notes.

1883.ro16.799 W57

o16.8 Bibliography of literature

COLUMBIA UNIVERSITY, New York—Library.

List of books chiefly on the drama and literary criticism.

1897. (Publications, no.1.).....qro16.8 C72

DIXSON, Mrs Zella (Allen), *comp.*

Comprehensive subject index to universal prose fiction.

1897.ro16.8 D64

This work by the associate librarian of the University of Chicago is an arrangement into an alphabetical subject list of works of fiction, foreign as well as English, which are founded on fact, historical, physical, psychological or moral. It does not, however, include works founded on fact where the facts have been so misrepresented as to mislead rather than to inform the reader.

GAYLEY, Charles Mills, & Scott, F. N.

Introduction to the methods and materials of literary criticism, the bases in aesthetics and poetics. 1899.....o16.8 G25

Contents: Nature and function of literary criticism.—Principles of art.—Principles of literature.—The theory of poetry.—The principles of versification.

"For libraries and for all students of the subject it will prove an invaluable book of reference. This is an age of bibliographies, but we need more bibliographies prepared, as this is, by specialists who are competent to estimate, classify, and report on the books listed. The plan here pursued involves a discussion of methodology, statement of problems, subdivision of topics, and a classified and annotated bibliography under each of the general heads." *Nation*, 1899.

INDIANAPOLIS—Public library.

Finding-list of books in the classes of poetry and the

drama, literature and polygraphy. 1891.....qro16.823 I24

Bound with other pamphlets.

BROWN UNIVERSITY—Library.

Catalogue of American poetry; duplicates from the Harris-

Anthony collection in Brown university, to be sold at

auction, April 10-12, 1901. 1901.....qro16.81 B78

FOLEY, Patrick Kevin, *comp.*

American authors, 1795-1895; a bibliography of first and

notable editions, chronologically arranged. 1897.....ro16.81 F71

STOCKBRIDGE, John Calvin, *comp.*

The Anthony memorial; a catalogue of the Harris col-

lection of American poetry, with biographical and bib-

liographical notes. 1886.....qro16.81 S86

WEGELIN, Oscar, *comp.*

Early American fiction, 1774-1830; a compilation of the

titles of American novels written by writers born or

residing in America and published previous to 1831.

1902.ro16.813 W43

HODGKINS, Louise Manning.

Guide to the study of 19th century authors. 1898.....ro16.82 H66

Contents: Scott.—Lamb.—Wordsworth.—Macaulay.—Coleridge.—Shelley.—Keats.—Byron.—Thackeray.—Dickens.—Mrs Browning.—Brown-
ing.—Tennyson.—Rossetti.—Eliot.—Carlyle.—Ruskin.—Arnold.—Ir-
ving.—Bryant.—Hawthorne.—Emerson.—Longfellow.—Whittier.—
Holmes.—Lowell.

- JAMES, Charles Canniff, *comp.*
 Bibliography of Canadian poetry (English). 1899. (Victoria university library. Publications, v.1.).....r016.821 J16
- BATES, Katharine Lee, & Godfrey, L. B. *comp.*
 English drama; a working basis. 1896.....r016.822 B31
- GREG, Walter Wilson, *comp.*
 List of English plays written before 1643 and printed before 1700. 1900.....r016.822 G86
- BOSTON—Public library.
 Catalogue of English fiction and books for the young.
 1893.q016.823 B64
- BOWEN, Herbert Courthope, *comp.*
 Descriptive catalogue of historical novels. 1882.....r016.823 B66
- BROOKLINE, Mass.—Public library.
 Catalogue of English prose fiction, Jan. 1895. 1895....r016.823 B77
The same, Jan. 1901. 1901.....r016.823 B77c
- CARNEGIE FREE LIBRARY, Allegheny, Pa.
 Catalogue of fiction; authors, titles. 1895.....r016.823 C21
 Catalogue of fiction, including folk-lore, mythology and juvenile books. 1895.....r016.823 C21
 Catalogue of French books. 1895.....r016.823 C21
 Catalogue of German books. 1895.....r016.823 C21
 These four catalogues are bound together.
- CARNEGIE LIBRARY OF PITTSBURGH.
 Catalogue of English prose fiction. 1898.....r016.823 C216
- GRISWOLD, William MacCrillis, *comp.*
 Descriptiv list of novels dealing with ancient history.
 1895.r016.823 G93de
 Descriptiv list of novels dealing with the history of North America. 1895.....r016.823 G93d
 This is the peculiar spelling adopted for a time by the author.
- Descriptive list of British novels. 1891.....r016.823 G93
 Descriptive list of international novels. 1891.....r016.823 G93
 Descriptive list of novels dealing with American city life.
 1891.r016.823 G93
 Descriptive list of novels dealing with American country life. 1890.....r016.823 G93
 Descriptive list of novels dealing with life in France.
 1892.r016.823 G93
 Descriptive list of novels dealing with life in Germany.
 1892.r016.823 G93
 Descriptive list of novels dealing with life in Italy. 1892..r016.823 G93
 Descriptive list of novels dealing with life in Norway.
 1892.r016.823 G93
 Descriptive list of novels dealing with life in Russia.
 1892.r016.823 G93
 Descriptive list of romantic novels. 1890.....r016.823 G93
 The above 10 pamphlets are bound together.
- HARTFORD—Public library.
 Author-list of all novels, short stories, selections and humorous works, also of all other books added during 1892.
 1893.r016.823 H32

- INDIANAPOLIS—Public library.
 Finding-list of books in the classes of English prose fiction
 and juvenile fiction. 1892.....qr016.823 I24
- NEW BEDFORD, Mass.—Free public library.
 Catalog of English prose fiction, Aug. 1, 1895. 1895...r016.823 N26
- SALEM, Mass.—Public library.
 Class list no.1; fiction. 1895.....r016.823 S16
- SAN FRANCISCO FREE PUBLIC LIBRARY.
 Classified English prose fiction, including translations and
 juvenile works. 1891.....qr016.823 S22
- CARNEGIE FREE LIBRARY, Allegheny, Pa.
 Catalogue of German fiction. 1897.....r016.833 C21c
- KLEMMING, Gustaf Edvard, *comp.*
 Sveriges dramatiska litteratur till 1875; bibliografi.
 1863-79.r016.839 K31
- BOSTON—Public library.
 Catalogue of the Spanish library and of the Portuguese
 books bequeathed by George Ticknor to the library.
 1879.qr016.86 B64
- MEADER, Clarence Linton, *ed.*
 List of books recommended for a high school classical li-
 brary by a committee of the Michigan schoolmasters'
 club, 1897.....o16.87 M55
The same. 1897.....r016.87 M55

o16.9 Bibliography of geography and history

Bibliography of geography

- BOUCHER de la RICHARDERIE, Gilles, *comp.*
 Bibliothèque universelle des voyages; ou, Notice raisonnée
 de tous les voyages anciens et modernes, avec des ex-
 traits. 6v. 1808.....r016.91 B65
- MILL, Hugh Robert, *comp.*
 Hints to teachers and students on the choice of geographi-
 cal books for reference and reading, with classified lists.
 1897.r016.91 M68
- RITCHIE, John, *comp.*
 List of the books in the English language on travel, ex-
 ploration and mountaineering, published within the year
 ending Aug. 31, 1897. 1897. (Boston scientific society.
 Occasional publications, no.2.).....r016.91 R49
- ROYAL GEOGRAPHICAL SOCIETY.
 Classified catalogue of the library to Dec. 1870. 1871....r016.91 R81
- UNITED STATES—Library of Congress.
 Alaska and the northwest part of North America, 1588-
 1898; maps in the Library of Congress; comp. by P. L.
 Phillips. 1898.....r016 U25
 Bound with other pamphlets.
 List of maps and views of Washington and District of

- Columbia in the Library of Congress; comp. by P. L. Phillips. 1900. (56th cong. 1st sess. Senate. Doc. no.154.)r016 U25
Bound with other pamphlets.
- List of maps of America in the Library of Congress, preceded by a list of works relating to cartography, by P. L. Phillips. 1901.....qr016.912 U25

Bibliography of history

- ADAMS, Charles Kendall.
Manual of historical literature. 1889.....r016.9 A21
- INDIANAPOLIS—Public library.
Finding-list of books in the classes of biography, history and travels. 1890.....qr016.823 I24
Bound with other pamphlets.

r016.942 Bibliography of English history

- ALLEN, William Francis, *comp.*
Reader's guide to English history, with supplement extending the plan to other countries. 1898.....r016.942 A42
- GARDINER, Samuel Rawson, & Mullinger, J. B.
Introduction to the study of English history. 1894....r016.942 G17
- GROSS, Charles, *comp.*
Sources and literature of English history, from the earliest times to about 1485. 1900.....r016.942 G93
A systematic survey of the printed materials relating to the political, legal, social and economic history of England, Wales and Ireland. Scotland, except as she influenced the course of English history, is omitted, because in the period considered her government and institutions were entirely foreign to those of England. Material which is worthless or obsolete is omitted, and most space is devoted to original sources. Many brief explanatory and critical notes increase the value of this work which the London "Athenæum" (1900) considers "second to no bibliography of national history in the world."
- JOHNSTON, William Dawson, *comp.*
Annotated titles of books on English history published in 1897-1899. 3v. in 1. 1898-1900.....qr016.942 J37

r016.97 Bibliography of American history

- BIBLIOTHECA Americana; a catalogue of a valuable collection of books and pamphlets illustrating the history & geography of North & South America and the West Indies; on sale by A. R. Smith. 1874.....r016.97 B47
- BOON, E. P.
Catalogue of books and pamphlets principally relating to America. 1870.....r016.97 B63
- BRINLEY, George.
Catalogue of his American library, with index. 6v. 1878-93.r016.97 B75
- CLARKE, (Robert), & CO. *pub.*
Bibliotheca Americana; catalogue of a valuable collection of books and pamphlets relating to America, 1876, 1878, 1879, 1893. 4v. in 2. 1876-93.....r016.97 C53

- DEANE, Charles.
Catalogue of the private library of Charles Deane; comprising a collection of rare Americana, including early voyages and discoveries, to be sold at auction, March 1898. 2v. in 1. 1898.....r016.97 D34
A pamphlet, giving the prices realized at the sale, is bound with the catalogue.
- FIELD, Thomas Warren.
Catalogue of his library. 1875.....r016.97 F45
Collection of books relative to the American Indians.
- GEORGE, (William), SONS, *pub.*
New World book list. 1900.....r016.97 G31
Annotated sale catalogue of Americana.
- GRIFFIN, Appleton Prentiss Clark, *comp.*
Bibliography of American historical societies. 1896....r016.97 G89
From the annual report of the American historical association for 1895.
- GROLIER CLUB, New York.
Catalogue of early printed books relating to America, exhibited at the Grolier club, 1888. 1888.....r016.97 G93
- HARPER, Francis Parego.
Bibliotheca Americana; priced catalogue of a remarkable collection of scarce and out-of-print books relating to the discovery, settlement and history of the western hemisphere; offered for sale by Francis P. Harper. 1901..r016.97 H28
- LARNED, Josephus Nelson, *ed.*
Literature of American history; a bibliographical guide in which the scope, character and comparative worth of books in selected lists are set forth in brief notes by critics of authority. 1902. (American library association annotated lists.).....qr016.97 L32
"Sources," p.1-20.
- LECLERC, Charles, *comp.*
Bibliotheca Americana; histoire, géographie, voyages, archéologie et linguistique des deux Amériques et des îles Philippines. 1878.....qr016.97 L49
- PERKINS, Frederic Beecher, *comp.*
Check list for American local history, reprinted with additions from the bulletins of the Boston public library. 1876.....r016.97 P43
- SABIN, Joseph, *comp.*
Catalogue of the books, manuscripts and engravings belonging to William Menzies of New York. 1875....r016.97 S11c
Dictionary of books relating to America. v.1-20. 1868-91..r016.97 S11
- SMITH, John Russell, *comp.*
Bibliotheca Americana; a catalogue of books, pamphlets, manuscripts, maps, engravings and engraved portraits illustrating the history and geography of North and South America and the West Indies, on sale by J. R. Smith. 1865.....r016.97 S65
- STEVENS, Henry, *comp.*
Bibliotheca historica; or, A catalogue of books and manuscripts relating to the history and literature of North and South America. 1870.....r016.97 S84b

- Catalogue of the first portion of the collections of rare books and manuscripts relating to the history and literature of America, sold by Sotheby, Wilkinson & Hodge. 1881. (Stevens's historical collections.).....qro16.97 S84
Includes "Lot 1269, Mr Henry Stevens's Franklin collection of manuscripts and printed books," p.159-176.
- Historical nuggets; bibliotheca Americana; or, A descriptive account of my collection of rare books relating to America. 2v. 1862.....ro16.97 S84h
- TERNAUX-COMPANS, Henri, *comp.*
Bibliothèque américaine; ou, Catalogue des ouvrages relatifs à l'Amérique qui ont paru depuis sa découverte jusqu'à 1700. 1837.....qro16.97 T31
- WRIGHT, James Osborne, *comp.*
Catalogue of the American library of S. L. M. Barlow. 1889.qro16.97 W93
- GAGNON, Philéas.
Essai de bibliographie canadienne; inventaire d'une bibliothèque comprenant imprimés, manuscrits, estampes, etc. relatifs à l'histoire du Canada et des pays adjacents, avec des notes bibliographiques. 1895.....qro16.971 G13
- WRONG, George McKinnon, & Langton, H. H. *ed.*
Review of historical publications relating to Canada, 1896-date. v.1-date. 1897-date. (Toronto university. Studies in history.).....qro16.971 W94
- UNITED STATES—Library of Congress.
List of books relating to Cuba, including references to collected works and periodicals; comp. by A. P. C. Griffin, with Bibliography of maps, by P. L. Phillips. 1898. (56th cong. 2d sess. Senate. Doc. no.161.).....ro16 U25
Bound with other pamphlets.
- List of books, with reference to periodicals, on Porto Rico; comp. by A. P. C. Griffin. 1901.....qro16.972 U25
Bound with the following.
- List of books, with references to periodicals, on the Danish West Indies; comp. by A. P. C. Griffin. 1901.....qro16.972 U25
- 016.973-016.977 Bibliography of United States history
- GRIFFIN, Appleton Prentiss Clark, *comp.*
Index of the literature of American local history in collections published in 1890-1895. 1896.....ro16.973 G89
"This index supplements that contributed by the compiler to the *Bulletins* of the Public Library of the City of Boston, and published in 1889 as a volume of the *Bibliographies of Special Subjects* of that institution." *Preface.*
- LUDEWIG, Hermann Ernst, *comp.*
Literature of American local history. 1846.....ro16.973 L97
- SPARKS, Edwin Erle, *comp.*
Topical reference lists in American history, with lists in English constitutional history. 1900.....016.973 S73
The same. 1900.....ro16.973 S73

WINSOR, Justin, *comp.*

Reader's handbook of the American revolution. 1893..r016.973 W79

"An admirable little guide-book for the use of students of the Revolutionary period of our history. Beginning at the time of the first discontents with British rule, the author indicates where the best information on each point is to be gathered." *C. K. Adams.*

FLAGG, Charles Allcott, & Jennings, J. T. *comp.*

Bibliography of New York colonial history. 1901.

(New York (state)—Library. Bulletin; bibliography, no.24.)r016.974 F59

GILMAN, Marcus Davis, *comp.*

Bibliography of Vermont. 1897.....qr016.974 G42

GRIFFIN, Appleton Prentiss Clark, *comp.*

Bibliography of the historical publications issued by the New England states. 1895.....r016.974 G89b

Reprinted from the "Publications of the Colonial society of Massachusetts," v.3.

PENNSYLVANIA—State library.

Check-list of Pennsylvania county, town and township histories, 1794–1892. 1892.....r016.974 P39

THOMSON, Peter G. *comp.*

Bibliography of Ohio, with prices at which many of the books have been sold since 1860. 1880.....qr016.977 T38

Bibliography of history—Miscellaneous

GUIGARD, Joannis, *comp.*

Bibliothèque héraldique de la France. 1861.....r016.929 G96

GOODRICH, Arthur L.

Topics on Greek history; intended for use in secondary schools. 1898.....r016.938 G62

List of authors and their works, p.5–8; "Historical fiction, tales, poetry and drama relating to ancient Greece," p.51–52.

Presents a full and systematic scheme for the study of Greek history by the topical method, each topic being accompanied by ample references.

CORNELL UNIVERSITY—Library.

Catalogue of the historical library of Andrew Dickson

White. 2v. in 1. 1889–94.....qr016.94 C82

v.1. The Protestant reformation and its forerunners.

v.2. The French revolution.

GETCHELL, Merle Smith.

The study of mediaeval history by the library method.

1897.r016.94 G33

A series of references to the historical literature relating to the middle ages, arranged by periods.

QUARITCH, Bernard, *pub.*

Catalogue of medieval literature, especially of the romances of chivalry and books relating to the customs, costume, art and pageantry of the middle ages. 1890.....qr016.94 Q18f

FÖRSTER, F.

Kritischer wegweiser durch die neuere deutsche historische litteratur, für studierende und freunde der geschichte.

1900.r016.943 F78

WENCKSTERN, Friedrich von, *comp.*

Bibliography of the Japanese empire; being a classified list of books, essays and maps, in European languages, relating to Japan, published from 1859-93, to which is added a facsimile-reprint of Leon Pagès *Bibliographie japonaise*. 1895.....qr016.95 W51

UNITED STATES—Library of Congress.

List of books relating to Hawaii, including references to collected works and periodicals; comp. by A. P. C. Griffin. 1898.....r016 U25

Bound with other pamphlets.

List of books, with references to periodicals, on Samoa and Guam. 1901.....qr016.996 U25

017 Library and sale catalogues—Classed catalogues

BIRMINGHAM, England—Free libraries.

Catalogues of various branches of the Birmingham free libraries. 1890-97.....r017.1 B48

BOSTON—Public library.

Annual list of new and important books added to the library, selected from the Monthly bulletins, 1896-date.

v.1-date. 1898-date.....qr017.1 B64a

Bulletins, Oct. 1867-date. v.1-date. 1871-date.....qr071.1 B64

v.1, no.2 wanting.

Finding list of books in the West End branch, Jan. 1896.

1896.qr017.1 B64f

BUFFALO LIBRARY.

Finding-list of books and pamphlets, Aug. 1885-July 1896.

3v. in 1. 1885-96.....r017.1 B86

v.1. History, politics, biography, geography, travel and anthropology.

v.2. Belles-lettres, with language, bibliography and general reference books.

v.3. Science and arts, philosophy, religion, social science (except politics) and local history.

CARNEGIE FREE LIBRARY, Allegheny, Pa.

Classified catalogue of the books, except fiction, French

and German. 1895.....r017.1 C21

—Supplement, no.1. 1898.

ENOC PRATT FREE LIBRARY, Baltimore.

Finding list of books and periodicals in the branch libraries,

July 1895. 1895.....r017.1 E65

ERIE—Public library.

Finding list. 1900.....r017.1 E74

KRUPP'SCHE BÜCHERHALLE.

Bücherverzeichniss. 1899.....r017.1 K42

LOWELL, Mass.—City library.

Bulletin, Oct. 1896-date. v.1-date. 1896-date.....r017.1 L95

MILWAUKEE—Public library.

Systematic catalogue. 1885-86.....qr017.1 M72

- MOUNT VERNON, N. Y.—Public library.
Class catalogue and author index. 1898.....r017.1 M94
- NEVINS MEMORIAL LIBRARY, Methuen, Mass.
Catalogue. 2v. 1887.....qro17.1 N25
- NEW YORK (state)—Library.
Bulletin, additions, no.1-4, 1891-96. 3v. 1891-97.....qro17.1 N261
- NEW YORK (city) PUBLIC LIBRARY.
Bulletin, 1897-date. v.1-date. 1897-date.....qro17.1 N2611
- NEWARK, N. J.—Free public library.
Finding list; 2d supplement, books added 1893-1896. 1896..r017.1 N26
- OSTERHOUT FREE LIBRARY, Wilkes-Barre, Pa.
Class catalogue and author index. 1889.....r017.1 O29
The same; first supplement, 1889-1895. 1895.....r017.1 O29c
- PENNSYLVANIA—State library.
Catalogue. 1873.....r017.1 P39
pt.1. Law books and state papers.
pt.2. Miscellaneous books.
- PROVIDENCE, R. I.—Public library.
Monthly bulletin. v.1-5. 1895-99.....qro17.1 P97
- SALEM, Mass.—Public library.
Bulletin. v.1-5. 1893-1901.....qro17.1 S16
- SAN DIEGO, Cal.—Free public library.
Finding list, 1895. 1895.....r017.1 S21
- SCRANTON, Pa.—Public library.
Finding list of the circulating department, Jan. 1893.
1893.qro17.1 S43
The same; first supplement, Aug. 1894. 1894.....qro17.1 S43
Bound with the above.
- BOOK-PRICES current; a record of the prices at which
books have been sold at auction, Dec. 1886-date. v.1-
date. 1888-date.....r017.3 B63
———Index, v.1-10, 1887-1896. 1901.
- DAUZE, Pierre, *comp.*
Index biblio-iconographique, 1894-1898. 5v. 1895-1901..qro17.3 D28
v.3-5 title reads "Index bibliographique."
No more published.
- LIVINGSTON, Luther S. *comp.*
American book-prices current, 1895-date. v.1-date. 1895-
date.r017.3 L74
- SCOTT, Temple, *comp.*
Book sales, 1895-1898; a record of the most important
books sold at auction. 4v. 1896-99.....r017.3 S43
No more published.
- VOYNICH, W. M. & Edgell, M. A.
A first list of books offered for sale. 1898.....r017.4 V39
Contents: Americana before 1550. — Americana after 1550. — Asiatic
presses. — Bibles and Testaments. — Chess. — Condemned and burned
books. — Cookery. — English books before 1640. — Music. — Occult
sciences, palmistry, etc.—Poland.—Reformation and reformers.—Early
printing before 1500.—Early printing from 1500 to 1525.

018 Library and sale catalogues—Author catalogues

ASTOR LIBRARY, New York.

Catalogue and supplement. 5v. 1857-66.....qro18.1 A85

BRITISH MUSEUM.

Catalogue of printed books. 81v. 1881-1900.....qro18.1 B75

The same; supplement. 11v. 1900-05.....qro18.1 B75s

GRIFFIN, Appleton Prentiss Clark, *comp.*

Catalogue of the Washington collection in the Boston

Athenæum, with the inventory of Washington's books drawn up by the appraisers of his estate, and the later history and present ownership of those not in the Athenæum collection, by W. C. Lane. 2v. 1897-1900.....ro18.1 G89
v.2 is the index, compiled by F. O. Poole.

LENOX LIBRARY, New York.

Duyckinck collection. v.2.....ro18.1 L61

LONDON LIBRARY, London.

Catalogue and appendix; comp. by Robert Harrison. 2v.

1888.....qro18.1 L82

Appendix contains lists of contents of long sets and of works printed by societies.

Report and List of books added, 1887/88, 1890/91-1893/94, 1896/97, 1898/99. 1888-99.....ro18.1 L82r

Report for 1896/97 and 1898/99 wanting.

MERCANTILE LIBRARY ASSOCIATION, Pittsburgh.

Catalogue; comp. by G. E. Appleton. 1866.....ro18.1 M63

MICHIGAN—State library.

Catalogue; United States documents, state documents, foreign exchanges. 1898.....ro18.1 M66

MILWAUKEE—Public library.

Finding list of the circulating department; author list, May 1896. 1896.....qro18.1 M72

PENNSYLVANIA—State library.

Catalogue, with supplements for 1860-61. 1859-62.....ro18.1 P39

The same, 1878. 2v. 1878.....qro18.1 P391

The same, 1859. 1859.....ro18.1 P392

SCRANTON, Pa.—Public library.

Author list of books, Aug. 1894. 1894.....qro17.1 S43

SYDNEY, PUBLIC LIBRARY OF NEW SOUTH WALES.

Current supplement to the catalogue, for 1896-98; reference department. 1899.....qro18.1 S98

UNITED STATES—Library of Congress.

Alphabetical catalogue; authors. 1864.....qro18.1 U253

Catalogue of books added, 1866-1869. 3v. 1868-70.....qro18.1 U253c

UNITED STATES—War department.

Alphabetical list of additions made to the library, May 1884-June 1891. 1891.....qro18.1 U25

DALY, Augustin.

Catalogue of the literary and art property gathered by Augustin Daly; to be disposed of at public sale March 19th, 1900 and following days. v.2. 1900.....qro18.2 D17
v.2. Books.

FRENCH, Frederick William.

Catalogue of the collection of dramatic and literary autographs of the late Frederick W. French; to be sold by auction May 2-3, 1901. 1901.....ro18.2 F92

Catalogue of the collection of modern etchings and engravings, rare old mezzotint portraits, miniatures on ivory, water colors, original drawings and oil paintings; to be sold by auction May 10, 1901. 1901.....ro18.2 F92

Catalogue of the library of Frederick W. French of Boston; sold by auction April 23-25, 1901. 1901.....ro18.2 F92

These three catalogues are bound together.

IVES, Brayton.

Catalogue of his collection of books and manuscripts; comprising early printed books, Americana, illustrated French books, works of standard authors, classical manuscripts, missals and books of hours; to be disposed of by auction March 5-7, 1891. 1891.....qro18.2 I33
The prices which the books brought at the auction are marked in the margins.

PHILES, George Philip, comp.

Bibliotheca curiosa; catalogue of the library of A. J. Odell.
2v. in 1. 1878-80.....qro18.2 P49

BECKFORD, William.

Valuable library of books in Fonthill abbey; a catalogue of the library, sold by auction 1823. 1823.....ro18.3 B36

BOUTON, James Warren, pub.

Catalogue of typographical rarities and literary treasures, 1889. v.84. 1889.....ro18.3 B65

BROCKHAUS, Friedrich Arnold.

Vollständiges verzeichniss der von der firma F. A. Brockhaus in Leipzig 1805-1872 verlegten werke. 1872-75..ro18.4 B76

LONGMANS, GREEN & CO. comp.

General list of books in various branches of literature, published and for sale by Longmans, Green & co. 1896..ro18.4 L83

McDONOUGH, Joseph, comp.

Catalogues of second-hand books, no.92-107. 1894-95....ro18.4 M14

MACMILLAN & CO. comp.

Bibliographical catalogue of Macmillan and co.'s publications, 1843-1889. 1891.....ro18.4 M21

019 Library and sale catalogues—Dictionary catalogues

ADVOCATES LIBRARY, Edinburgh.

Catalogue of the printed books, with supplement. 7v. in 9.
1863-79.qro19.1 A24

BIRMINGHAM, England—Free libraries.

Catalogue of the reference department, 1869.....r019.1 B48

The same, 1875-79.....r019.1 B48ca*The same*, 1880.....r019.1 B48c*The same*, 1883-1890.....qr019.1 B48cat

BOSTON—Public library.

Index to the catalogue of books in the upper hall. 1861...qr019.1 B644

The same; first supplement. 1866.....qr019.1 B644i

BOSTON ATHENÆUM LIBRARY.

Catalogue, 1807-71. 5v. 1874-82.....qr019.1 B64

BROOKLYN LIBRARY, Brooklyn, N. Y.

Analytical and classed catalogue. 1878-80.....qr019.1 B77

CARNEGIE LIBRARY OF PITTSBURGH.

Catalog of books. 1895.....r019.1 C21

CLEVELAND—Public library.

Alphabetic catalogue of the English books in the circulating department. 1889.....qr019.1 C58

EDINBURGH—Public library.

Catalogue of books in the lending library. 1891.....r019.1 E28c

Catalogue of books in the reference library, with supplement. 2v. 1891-94.....r019.1 E28

GUILLE-ALLÈS LIBRARY, Guernsey.

Encyclopædic catalogue of the lending department.....r019.1 G96

JERSEY CITY, N. J.—Free public library.

Alphabetical finding-list, with 1st-2d supplement. 1893...qr019.1 J28

LEWISHAM, England—Public libraries.

Catalogue of the lending department of the Perry Hill branch library. 1896.....r019.1 L67

LONG ISLAND HISTORICAL SOCIETY.

Catalogue of the library, 1863-1893. 1893.....qr019.1 L82

NEW HAVEN, Conn.—Free public library.

Supplement to catalogue part 1, 1892-1895. v.1-2, in 1. 1894-95.....qr019.1 N26

NEW YORK (city), YOUNG MEN'S CHRISTIAN ASSOCIATION—Library.

Catalogue; circulating department, July 1900. 1901...qr019.1 N261

PASSAIC, N. J.—Free public library.

Alphabetic catalogue; authors, subjects and titles, Nov. 1895. 1895.....r019.1 P28

PEABODY INSTITUTE, Baltimore.

Catalogue of the library. 5v. 1883-92.....qr019.1 P33

The same; second catalogue. v.1-6. 1896-1902.....qr019.1 P33s

REYNOLDS LIBRARY, Rochester, N. Y.

Reference catalogue. 1898.....qr019.1 R37

WISCONSIN HISTORICAL SOCIETY.

- Catalogue of the library. v.1-7. 1873-87.....r019.1 W81
 v.1-2. 1873.
 v.3. 1873-75.
 v.4. 1875-78.
 v.5. 1878-81.
 v.6. 1881-84.
 v.7. 1884-87.

BOHN, Henry George, *comp.*

- Catalogue of books. 1841.....r019.4 B59

020 Library economy

AMERICAN LIBRARY ASSOCIATION.

- Library tracts. v.1, no.1-4. 1900-02.....r020 A51
 v.1 (no.1-4). Why do we need a public library?—How to start a public library, by G. E. Wire. — Traveling libraries, by F. A. Hutchins. — Library rooms and buildings, by C. C. Soule.

HESSE, Léopold Auguste Constantin, (*pseud.* L. A. Constantin).

- Bibliothéconomie; ou, Nouveau manuel complet pour l'arrangement, la conservation et l'administration des bibliothèques. 1841.....r020 H48

MAIRE, Albert.

- Manuel pratique du bibliothécaire. 1896.....r020 M26

SPOFFORD, Ainsworth Rand.

- Book for all readers; an aid to the collection, use and preservation of books, and the formation of public and private libraries. 1900.....020 S76

The same. 1900.....r020 S76

WORLD'S LIBRARY CONGRESS.

- Papers prepared for the congress held at the Columbian exposition; ed. by Melvil Dewey. 1896.....r020 W89
 Reprint of part of the Report of the commissioner of education for 1892/1893.

DANA, John Cotton.

- Library primer. 1899.....020.2 D19

The same. 1900.....r020.2 D19

Considers the subject of library management for the small library. Covers selection, buying and care of books, cataloguing, binding, mending, etc. Contains signed articles by well-known library workers. There are several useful bibliographies, and lists of reference books and periodicals for a small library.

DENVER—Public library.

- Public library hand-book. 1895.....020.2 D43

The same. 1895.....r020.2 D43

PLUMMER, Mary Wright.

- Hints to small libraries. 1894.....r020.2 P72

The same. 1898.....r020.2 P72h

The same. 1902.....r020.2 P72h2

GARNETT, Richard.

- Essays in librarianship and bibliography. 1899. (Library series.)020.4 G19

Contents: Address to the Library association.—Public libraries and their catalogues.—The printing of the British museum catalogue.—The past, present and future of the British museum catalogue.—The British museum catalogue as the basis of a universal catalogue.—Introduction

of European printing into the East.—Paraguayan and Argentine bibliography.—The early Italian book trade.—Some book-hunters of the 17th century.—Librarianship in the 17th century.—The manufacture of fine paper in England in the 18th century.—On some colophons of the early printers.—On the system of classifying books on the shelves followed at the British museum.—Subject-indexes to transactions of learned societies.—Photography in public libraries.—The telegraph in the library.—On the protection of libraries from fire.—The sliding-press at the British museum.—On the provision of additional space in libraries.—Preface to Blades' "Enemies of books."—Sir Anthony Panizzi.—John Winter Jones.—Henry Stevens.—Sir Edward A. Bond.

- CENTRALBLATT für bibliothekswesen; monthly. v.14—
date. 1897—date.....r020.5 C32
The same; beihefte. v.7—date. 1897—date.....qr020.5 C32b
v.7. Milkau, Fritz. Centralkataloge und titeldrucke.—Heiland, Karl. Die Lutherdrucke der Erlanger universitätsbibliothek, 1518–1523.—Bauch, Gustav. Geschichte des Leipziger frühhumanismus, mit besonderer rücksicht auf die streitigkeiten zwischen Konrad Wimpina und Martin Mellerstadt.
v.8, in 2. Hartwig, Otto, ed. Festschrift zum fünfhundertjährigen geburtstage von Johann Gutenberg.
v.7 lacks heft 19.
- LIBRARY; monthly. v.1—date. 1889—date.....r020.5 L683
Beginning with v.11, Dec.1899, this magazine is issued quarterly.
- LIBRARY association record; a monthly magazine of librarianship and bibliography; ed. by Henry Guppy. v.1—
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- LIBRARY chronicle. 5v. 1884–88.....qr020.5 L682
No more published.
- LIBRARY journal; monthly, Sept. 1876—date. v.1—date. 1877—
date.r020.5 L681
——General index, v.1–22. 1898.
v.1 has running title "American library journal."
- LIBRARY notes; improved methods and labor-savers, June
1886–1898. 4v. 1887–98.....r020.5 L68
Issued irregularly.
No more published.
- LIBRARY world; a medium of intercommunication for librarians; monthly, July 1898—date. v.1—date. 1899—date...r020.5 L6822
- PUBLIC libraries; a monthly review of library matters and methods. v.1—date. 1896—date.....qr020.5 P98
- INTERNATIONAL LIBRARY CONFERENCE.
Transactions and proceedings of the second international library conference, held in London, July 13–16, 1897.
1898.qr020.6 I24
- ADAMS, Herbert Baxter.
Public libraries and popular education. 1900. (New York (state)—University. Home education bulletin no.31.)...r021 A21
Bibliography, p.239–264.
- GREEN, Samuel Swett, comp.
Libraries and schools. 1883.....r021.3 G83
Contents: The public library and the public schools, by C. F. Adams.—The relation of the public library to the public schools, by S. S. Green.—Libraries as educational institutions, by S. S. Green.—The public library as an auxiliary to the public schools, by R. C. Metcalf.—The relation of libraries to the school system, by W. E. Foster.—A plan of systematic training in reading at school, by W. E. Foster.
- WISCONSIN—Free library commission.
Biennial report, 1895–96—date. v.1—date. 1896—date.....r021.8 W81

VERMONT—Library commissioners, Board of.

Biennial report, 1895-96—date. v.1—date. 1896—date.....r021.8 V27

022 Library buildings

BURGOYNE, Frank James.

Library construction, architecture, fittings and furniture.

1897. (Library series.).....022 B91

Lists of illustrations of libraries which have appeared in the "American architect," "Architect," "British architect," "Builder" and "Building news," p.315-326.

CARNEGIE FREE LIBRARY, Allegheny, Pa.

Specifications and conditions of submitting bids for the erection and completion of the Carnegie free library

and music hall building, Allegheny, Pa.....r022 C21

CLARK, John Willis.

The care of books; an essay on the development of libraries and their fittings, from the earliest times to the end of the eighteenth century. 1901.....qr022 C52

Mr Clark says in his introduction, "From my special point of view books are simply things to be taken care of; even their external features concern me only so far as they modify the methods adopted for arrangement and preservation." From this standpoint he traces the methods adopted by man in different ages and countries to preserve books and manuscripts and to make them accessible to others. His investigation includes the position, size and arrangement of the rooms in which these treasures were kept and the progressive development of fittings, catalogues and other appliances. The volume contains 156 illustrations, many of them full-page plates, admirably executed. "A work of...real learning and scholarship." *Athenaeum*, 1901.

POOLE, William Frederick.

Organization and management of public libraries. 1876....r022 P79

Being v.1, chapter 25 of "Public libraries in the United States," published by the United States bureau of education. Bound with the following.

Remarks on library construction, to which is appended an examination of Mr Smithmeyer's pamphlet entitled Suggestions on library architecture, American and foreign. 1884.....r022 P79

Report on the progress of library architecture, and resolutions of the American library association, 1882, concerning the building for the Library of Congress. 1882....r022 P79 Bound with the above.

SMALL, Herbert.

Handbook of the new Library of Congress, with essays on the architecture, sculpture and painting, by Charles Caffin, and on the function of a national library, by A.

R. Spofford. 1897.....022 S63

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025 Library administration

BONFORT, H.

Das bibliothekwesen in den Vereinigten Staaten. 1896....025 B62

- CRUNDEN, Frederick Morgan.
How things are done in one American library.....r025 C89
A series of articles on the St. Louis public library, which appeared in the "Library," v.11-12, 1899-1901.
- FOOTE, Elizabeth Louisa.
The librarian of the Sunday school; a manual, with a chapter on the Sunday school library by M. T. Wheeler. 1897...025 F74
Bibliography of descriptive lists of approved books for Sunday school libraries, p.81.
- MACFARLANE, John, *of the British museum library*.
Library administration. 1898. (Library series.).....025 M15
- SHURTLEFF, Nathaniel Bradstreet.
Decimal system for the arrangement and administration of libraries. 1856.....qr025 S56
- RICHARD, Jules.
L'art de former une bibliothèque. 1883.....r025.2 R39
- AMERICAN LIBRARY ASSOCIATION.
List of subject headings for use in dictionary catalogs.
1895.qr025.3 A51
The same. Ed. 2. 1898.....qr025.3 A511
- BRITISH MUSEUM.
Rules for compiling the catalogues in the department of printed books in the British museum. 1900.....r025.3 B75
- CUTTER, Charles Ammi.
Rules for a dictionary catalogue. (United States—Education bureau. Public libraries in the United States, v.2.)r027 U25 v.2
- DEWEY, Melvil.
Library school rules. 1894.....qr025.3 D51
Simplified library school rules. 1898.....qr025.3 D51s
Contents: Card catalog.—Book numbers.—Accession.—Shelf list.—Capitals, punctuation, abbreviations, library handwriting.
- HASSE, Adelaide Rosalie.
United States government publications; a handbook for the cataloger. v.1. 1902.....qr025.3 H34
v.1. The government at large; the constitution, statutes, treaties.
- LINDERFELT, Klas August, *comp.*
Eclectic card catalog rules. 1890.....qr025.3 L71
- PERKINS, Frederic Beecher.
Rational classification of literature for shelving and cataloguing books in a library. 1882.....r025.3 P43
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San Francisco cataloguing for public libraries. 1884.....r025.3 P43
- QUINN, John Henry.
Manual of library cataloguing. 1899.....r025.3 Q35
- SYDNEY, PUBLIC LIBRARY OF NEW SOUTH WALES.
Guide to the system of cataloguing of the reference library, with regulations for visitors, etc. 1898.....qr025.3 S98
- BROWN, James Duff.
Manual of library classification and shelf arrangement.
1898.r025.4 B78

- DEWEY, Melvil.
 Abridged decimal classification and relativ index. 1894..r025.4 D51a
 Decimal classification and relativ index. 1894.....q025.4 D51
- RICHARDSON, Ernest Cushing.
 Classification, theoretical and practical, with an appendix
 containing an essay towards a bibliographical history of
 systems of classification. 1901.....025.4 R41
 New York state library school association alumni lectures, 1900-1901.
- ROYAL SOCIETY OF LONDON.
 International catalogue of scientific literature; report of
 the committee, with schedules of classification. 1898..r025.4 R81
- O'CONOR, John Francis Xavier.
 Facts about bookworms; their history in literature and
 work in libraries. 1898.....025.8 O13
- BLADES, William.
 Enemies of books. 1888.....025.9 B51
 The enemies enumerated by Mr Blades are: fire, water, gas and heat,
 dust and neglect, ignorance and bigotry, the book-worm, bookbinders,
 collectors, and servants and children.

027 History of libraries

- BRITISH library year book; a record of library progress and
 work; ed. by Thomas Greenwood, 1900/01. v.1. 1900..r027 B75
- CLARK, John Willis.
 Libraries in the medieval and renaissance periods. 1894...027 C52
- EDWARDS, Edward.
 Libraries and founders of libraries. 1864.....r027 E31
- FLETCHER, William Isaac.
 Public libraries in America. 1894.....027 F63
The same. 1895.....r027 F63
- FLINT, Weston, *comp.*
 Statistics of public libraries in the United States and Can-
 ada. 1893. (United States—Education bureau. Circu-
 lar of information no.201.).....r027 F64
- GENTLEMAN'S magazine library; ed. by G. L. Gomme; Lit-
 erary curiosities and notes. 1888.....027 G29
Contents: Bookmaking and bookselling. — Libraries and book clubs. —
 Bibles, prayer-books and devotional books.
- GREENWOOD, Thomas.
 Public libraries; a history of the movement and a manual
 for the organization and management of rate-supported
 libraries. 1894.....027 G85
- NÖRRENBURG, Constantin.
 Kooperation verschiedener bibliotheken, [and] Oeffent-
 liche bibliotheken in Amerika. 1896.....r027 R37
 Bound with the following.
- REYER, Ed.
 Entwicklung und organisation der volksbibliotheken. 1893..r027 R37

- UNITED STATES—Education bureau.
 Public libraries in the United States; their history, condition and management. 2v. 1876-91.....r027 U25
 Statistics of libraries and library legislation in the United States. 1897.....r027 U25s
 Chapters from the Report of the commissioner of education, 1895-96.
- WILSON, James Grant.
 World's largest libraries. (Hoffman library lectures.)....o27 W76
The same. (Hoffman library lectures.).....r027 W76
- MERCANTILE LIBRARY ASSOCIATION, Pittsburgh.
 Annual report, 1871-1873. v.24-26, in 1. 1872-74.....r027.2 M63
- QUINCY, Josiah, 1772-1864.
 History of the Boston Athenæum, with notices of its founders. 1851.....qro27.2 B64
- JEFFERSON COUNTY LIBRARY, Fairfield, Iowa.
 Photographs and description of the Jefferson county library, Fairfield, Iowa, erected by Andrew Carnegie, 1896.qro27.3 J23
- BIRMINGHAM, England—Free libraries.
 Annual report of the committee, 1862, 1868-69, 1871-72, 1874-date. v.1, 7-8, 10-11, 13-date. 1862-date.....r027.4 B48
- BOSTON—Public library.
 Annual report of the trustees. v.2-date. 1854-date....r027.4 B64a
 v.3, 6-11, 13, 16, 19, 24-25, 27, reports for 1855, 1858-63, 1865, 1868, 1870/71, 1875/76-1876/77, 1878/79, wanting.
 Hand-book for readers in the library, containing the regulations of the library, an account of the catalogues, a bibliography of special subjects, list of indexes to periodicals and other information. 1890.....r027.4 B64h
 Proceedings on laying the corner-stone, Sept 17, 1855. 1855.r027.4 B64
- BROOKLINE, Mass.—Public library.
 Annual report of the trustees, 1865/66-date. v.9-date. 1866-date.r027.4 B77
 v.10-12, 37, reports for 1867-69, 1894, wanting.
- BUFFALO, N. Y.—Library.
 Annual report, 1895-date. v.60-date. 1896-date.....r027.4 B86
- CAMBRIDGE, Mass.—Public library.
 Annual report of the trustees, 1882-date. v.25-date. 1883-date.r027.4 C14
 v.26-29, 31, 33-34, reports for 1883-86, 1888, 1890-91, wanting.
- CARNEGIE INSTITUTE, Pittsburgh.
 Carnegie fine arts and museum collection fund; constitution and by-laws of the board of trustees, together with Mr Carnegie's letter and deed of trust.....r027.4 C21c
 Bound with Carnegie library of Pittsburgh. Ordinances and by-laws.
 Founder's day, 1897-date. 1897-date.....r027.4 C21f
 Accounts of the Founder's day exercises of Carnegie institute, beginning with the second anniversary (1897) of the dedication of the building. The first anniversary, in 1896, was celebrated very informally, and no printed description was issued. Beginning with 1899 the title reads, "Fourth [Fifth, Sixth, etc.] celebration of Founder's day at the Carnegie institute."
 For information concerning the dedication of the building in 1895, see "Dedication souvenir" and "Presentation of the library to the people of Pittsburgh," under Carnegie library of Pittsburgh.

CARNEGIE LIBRARY OF PITTSBURGH.

Dedication souvenir. 1895.....r027.4 C21

Ordinances and by-laws.....r027.4 C21c

Presentation of the library to the people of Pittsburgh,
with a description of the dedicatory exercises, Nov. 5,
1895. 1895.....r027.4 C21p

CREDLAND, William Robert.

Manchester public free libraries; a history and descrip-
tion, and guide to their contents and use. 1899.....r027.4 C87

EDWARDS, Edward.

Free town libraries; their formation, management and his-
tory in Britain, France, Germany & America, with
notices of book-collectors and of the places of deposit
of their surviving collections. 1869.....r027.4 E31

ENOCH PRATT FREE LIBRARY, Baltimore.

Letters and documents relating to its foundation and
organization, with the dedicatory addresses and exer-
cises, Jan. 4, 1886. 1886.....r027.4 E65

HARTFORD—Public library.

Annual report of the executive committee, 1895/1896—date.
v.58—date. 1896—date.....r027.4 H32JAMES BLACKSTONE MEMORIAL LIBRARY, Branford,
Conn.

Exercises at the opening, June 17, 1896. 1897.....qr027.4 J16

JOHN CRERAR LIBRARY, Chicago.

Annual report, 1895—date. v.1—date. 1897—date.....qr027.4 J35

KRUPP'SCHE BÜCHERHALLE.

Bericht der Krupp'schen bücherhalle über das betriebs-
jahr 1899/1900—1900/01; mit anlage, Die verwaltung und
einrichtung der bücherhalle. v.1—2. 1900—01.....qr027.4 K42

LANGFORD, John Alfred.

The Birmingham free libraries, the Shakspeare memorial
library and the art gallery. 1871.....r027.4 B481

LENOX LIBRARY, New York.

Annual report of the trustees, 1870—1894. v.1—25, in 1.
1871—95.r027.4 L61

LITHGOW LIBRARY, Augusta, Maine.

Lithgow library and reading room; history and descrip-
tion.r027.4 L74

LOS ANGELES, Cal.—Public library.

Annual report. v.1—date. 1889—date.....r027.4 L89

NEW HAVEN, Conn.—Free public library.

Annual report. v.1—date. 1887—date.....r027.4 N26

NEW YORK (city)—Free circulating library.

Annual report, 1887—1900. v.8—21. 1887—1901.....r027.4 N261
v.11, report for 1891, wanting.
Consolidated with the New York public library, Feb. 25, 1901.

NEW YORK LIBRARY CLUB.

Libraries of greater New York; Manual and historical
sketch of the New York library club. 1902.....r027.4 N2612

- OGLE, John J.
The free library; its history and present condition. 1897.
(Library series.)027.4 O17
Treats of British libraries only.
- PRATT INSTITUTE, Brooklyn, N. Y.
Report of the library, 1896/97-date. v.1-date. 1897-date...027.4 P88
- PROVIDENCE, R. I.—Public library.
Annual report, 1882-date. v.5-date. 1883-date.....027.4 P97
v.10-13, 15, 17, reports for 1887-90, 1892 and 1894, wanting.
- ST. LOUIS—Public library.
Annual report, 1869/70-1896/97. 23v. in 2. 1870-98.....027.4 S14
Reports for 1876/1877, 1878/1879-1879/1880, 1889/1890 wanting.
- SMALL, Herbert.
Handbook of the new public library in Boston. 1895.....027.4 B64
- SPRINGFIELD, Mass. CITY LIBRARY ASSOCIATION.
Annual report, 1865/66-date. v.5-date. 1886-date.....027.4 S76
v.7, 9-10, reports for 1867/1868, 1869/1870-1870/1871, wanting.
- STEVENSON, William Marshall.
Carnegie and his libraries. 1899.....q027.4 S84
Reprinted from the "Presbyterian banner," v.86, Aug. 10, 1899.
- ILLINOIS STATE HISTORICAL LIBRARY.
Trustees' report, 1894. 1895.....027.5 I22
- NEW YORK (state)—Library.
Annual report, 1892/93-date. v.76-date. 1894-date.....027.5 N26
- PENNSYLVANIA—State library.
Report of the librarian, 1888-date. 1889-date.....027.5 P39
- UNITED STATES—Library of Congress.
Report of the librarian, 1897-date. 1897-date.....027.5 U25
Report for 1900/01 contains a manual of the constitution, organization, methods, etc. of the library.
- WISCONSIN HISTORICAL SOCIETY.
Memorial volume of the State historical society of Wisconsin; exercises at the dedication of its new building, Oct. 19, 1900, with a description of the building, accounts of the several libraries contained therein and a brief history of the society; ed. by R. G. Thwaites. 1901.q027.5 W81
- NEW YORK (state)—University—Extension department.
Traveling libraries. 1901. (Bulletin no.40.).....027.6 N26
Contents: Field and future of traveling libraries, by Melvil Dewey. —
Summary of traveling library systems, by Myrtilla Avery.
- HARVARD UNIVERSITY—Library.
Report of the librarian, 1896-date. 1896-date.....027.7 H33
- DUNNING, Albert Elijah.
Sunday-school library. 1884.....027.8 D92

028 Reading and aids

- ABBOTT, Lyman, ed.
Hints for home reading, with suggestions for libraries by
G. P. Putnam. 1892.....028 A13
Contains priced lists of suggested selections of 500, 1000 and 2000 volumes of the most desirable and important books.

- ATKINSON, William Parsons.
On the right use of books. 1880.....028 A87
- BALDWIN, James.
Book-lover; a guide to the best reading. 1895.....028 B19
- BALDWIN, James, *comp.*
Guide to systematic readings in the Encyclopædia Britannica. 1895.....ro28 B19g
- BROOKINGS, Walter DuBois, & Ringwalt, R. C. *ed.*
Briefs for debate on current political, economic and social topics. 1896.....ro28 B77
Bibliography of debating, by A. B. Hart, p.41-47.
- CALLER, Mary Alice.
Literary guide for home and school. 1895.....028 C13
Contains general suggestions on the reading of young girls, and outlines a ten years' course in literature for girls from seven to seventeen; there are also lists of historical novels illustrating the whole course of English and American history.
- COUNSEL upon the reading of books, with an introduction
by Henry Van Dyke. 1900.....028 C83
Contents: History, by H. M. Stephens.—Memories and biographies, by Agnes Repplier.—Sociology, economics and politics, by A. T. Hadley.—The study of fiction, by Brander Matthews.—Poetry, by Bliss Perry.—Essay and criticism, by H. W. Mabie.
A short list of references precedes each chapter.
- CRUMP, John F.
Witchery of books. 1900.....028 C89
- FARRAR, Frederic William, dean.
Great books. 1898.....028 F25
Contents: Great books.—John Bunyan.—Shakespeare.—Dante.—Milton.—The imitation of Christ.
- FOSTER, William Eaton.
Libraries and readers. 1883.....ro28 F81
Contents: Some hints on right reading.—Correction of aimless reading.—The specializing of reading, for general readers.—"Current literature" and "standard literature."—Securing the interest of a community.—What may be done at home.—How to use a library; a rudimentary chapter.—Books and articles on reading.
- GIBSON, Laurence M.
Handbook for literary and debating societies. 1898.....ro28 G37
References at the end of each article.
- HOFFMAN, Charles Frederick.
The library a divine child. 1893.....028 H67
- HUMPHREYS, Arthur L.
The private library; what we do know, what we don't know, what we ought to know about our books. 1897.....028 H92
- IRELAND, Alexander, (*pseud.* Philobiblos), *comp.*
Book-lover's enchiridion. 1883.....028 I28
A treasury of thoughts on the solace and companionship of books, gathered from the writings of the greatest thinkers, from Cicero to Ruskin.
- KOOPMAN, Harry Lyman.
Mastery of books; hints on reading and the use of libraries. 1896.....ro28 K37
Annotated list of books on the subject of reading, p.197-203.

- LARNED, Josephus Nelson.
A talk about books. 1897.....028 L32
An address by the author of the "History for ready reference," to the students of the Central high school, Buffalo, N. Y.
- LEYPOLDT, Augusta H. & Iles, George, *comp.*
List of books for girls and women and their clubs. 1895...qro28 L67
Lists of books on various subjects, chosen by specialists, and furnished with descriptive and critical notes. In addition to these lists are a list of periodicals and hints for girls' and women's clubs.
- MATSON, Henry.
References for literary workers. 1893.....ro28 M47
- MATTHEWS, Brander.
Home library. 1883.....028 M47
Chapters on the buying and owning of books, on fiction, on book-binding, etc.
- RAFFETY, Frank W.
Books worth reading; a plea for the best and an essay towards selection, with short introductions to many of the world's great authors. 1899.....028 R14
- RICHARDSON, Charles Francis.
Choice of books. 1885.....028 R41
- RIGHT reading; words of good counsel on the choice and use of books, selected from the writings of ten famous authors. 1902.....028 R45
List of authors: Sir Arthur Helps.—Carlyle.—Isaac D'Israeli.—Emerson.—Schopenhauer.—Ruskin.—J. C. Hare.—John Morley.—Lowell.—Frederic Harrison.
- ROWTON, Frederic.
How to conduct a debate; a series of complete debates, outlines of debates and questions for discussion, with references to the best sources of information on each particular topic; revised by W. Taylor.....ro28 R81
- SHAYLOR, Joseph, *comp.*
The pleasure of literature and the solace of books. 1898....028 S53
Prose extracts from ancient and modern writers.
- WINCHESTER, Caleb Thomas.
Five short courses of reading in English literature, with biographical and critical references. 1892.....ro28 W77

028.5 Reading for the young

- BUFFALO, N. Y.—Library.
Class-room libraries for public schools, listed by grades, to which is added a list of books suggested for school reference libraries. 1902.....ro28.5 B86
- BURT, Mary Elizabeth.
Literary landmarks. 1893.....028.5 B94
Guide to reading for the young. The volume contains many ingenious illustrations designed to fix in the pupil's mind the story of literature, and at the end is a carefully selected list of 700 books.
- CARNEGIE LIBRARY OF PITTSBURGH.
Graded and annotated catalogue of books for the use of the city schools. 1900.....ro28.5 C21

- FIELD, Mrs E. M.
 The child and his book; some account of the history and progress of children's literature in England. 1891.....028.5 F45
- GRISWOLD, William MacCrillis, *comp.*
 Descriptiv list of books for the young. 1895.....ro28.5 G93
- HARDY, George E. *ed.*
 Five hundred books for the young. 1892.....028.5 H26
The same. 1892.....ro28.5 H26
- HARTFORD—Public library.
 Boys' and girls' books in the library. 1895.....ro28.5 H32
- LAWRENCE, Isabel.
 Classified reading; books for the school, the library and the home, with a full bibliography of education. 1898..ro28.5 L42
- PRENTICE, May H. *comp.*
 References to books in the Cleveland public library, intended to aid the third grade teachers of the Cleveland public schools. 1898.....028.5 P91
The same. 1898.....ro28.5 P91
 Published by the Cleveland public library.
- SARGENT, John Frederick, *comp.*
 Reading for the young, with supplement for 1891-1895 by M. E. and A. L. Sargent. 2v. in 1. 1890-96.....qro28.5 S24r
The same. 2v. 1890-96.....qro28.5 S24
- WISCONSIN—Libraries, State superintendent of.
 List of books for township libraries of Wisconsin. 1901..ro28.5 W81
The same. 1902.....ro28.5 W81l

029 Literary methods

- AUTHOR; a monthly magazine for literary workers. 3v. in 1. 1889-91.....ro29 A93
 No more published.
- BOOTH, William Stone, *comp.*
 Notes for the guidance of authors. 1900.....029 B63
 Brief chapters on the preparation of a manuscript, submitting a manuscript to a publisher, copyright, forms of agreement, proof-reading, proof showing corrections, and other helpful suggestions to persons not accustomed to the ways of publishers. Compiled for the Macmillan co.
- WALSH, William Shepard, *comp.*
 Authors and authorship. (Literary life.).....029 W18
- WRITER; a monthly magazine for literary workers. v.1-date. 1887-date.....ro29 W93
 Contains articles on subjects of particular interest to writers, especially those doing newspaper work of any kind, advice to aspirants to the profession of literature, lists of magazine articles interesting to literary workers, and descriptions of practical helps and conveniences.

030 General encyclopedias

- AMERICAN annual cyclopædia and register of important events, 1861, 1864. v.1, 4. 1862-65.....qro31 A51
 Continued 1876-date as "Appletons' annual cyclopædia and register of important events."

- APPLETONS' American cyclopædia. 17v. 1883-84.....qr031 A64
- APPLETONS' annual cyclopædia and register of important events, 1876-date. New series v.1-date. 1886-date...qr031 A64a
Title of earlier series reads "American annual cyclopædia and register of important events."
- CENTURY cyclopedia of names. 1894.....qr031 C32
The same. 1895.....qr031 C32c
- CHAMPLIN, John Denison.
Young folks' catechism of common things. 1886.....rj031 C35y
- CHAMPLIN, John Denison, *comp.*
Young folks' cyclopædia of common things. 1894.....rj031 C35
- CHANDLER'S encyclopedia; an epitome of universal knowledge; ed. by W. H. Chandler. 3v. 1898.....qr031 C36
- COLUMBIAN cyclopedia. 32v. 1897.....r031 C72
- INTERNATIONAL cyclopædia. 15v. 1895.....qr031 I24
- INTERNATIONAL year book; a compendium of the world's progress in every department of human knowledge, 1898-date; ed. by F. M. Colby and H. T. Peck. v.1-date. 1899-date.....qr031 I248
- JOHNSON'S new universal cyclopædia. 4v. 1875-78.....qr031 J35
The same; ed. by C. K. Adams. 8v. 1893-95.....qr031 J35u
The same; new ed. by C. K. Adams; revised and enl. by Rossiter Johnson. 12v. 1902.....qr031 J35u2
Title-page of the edition of 1902 reads "Universal cyclopædia and atlas."
- CHAMBERS'S encyclopædia. 10v. 1901.....qr032 C35
- ENCYCLOPÆDIA Britannica. 25v. 1878-89.....qr032 E62
—American supplement. 4v. 1893.....qr032 E62i
- HAZELL'S annual for 1890-date. v.5-date. 1890-date.....r032 H38
v.6, 7 and 9 wanting.
- PENNY cyclopædia, with 1st supplement. 29v. in 16.
1833-51.qr032 P41
- QUILTER, Harry, *ed.*
What's what. v.1. 1902.....r032 Q32
A new kind of encyclopedia, more for reading than for reference. It covers a wide field and in spite of inconsistencies, curious omissions and lack of proportion, it contains some interesting and worthy material.
- REES, Abraham, *comp.*
The cyclopædia; or, Universal dictionary of arts, sciences and literature. 45v. 1819-20.....qr032 R28
- WILKES, John, *of Sussex, England, comp.*
Encyclopædia Londinensis. v.1-10. 1810-11.....qr032 W72
- ALLGEMEINES lexicon der künste und wissenschaften. 2v.
1767.r033 A43
- BROCKHAUS, Friedrich Arnold, *comp.*
Konversations-lexikon. 17v. 1892-97.....qr033 B76
- HÜBNER, Johann, *comp.*
Reales staats- zeitungs- und conversations-lexicon. 1757..r033 H88
- MEYERS kleines konversations-lexikon. 3v. 1892-93.....r033 M65k
- MEYERS konversations-lexikon. v.1-date. 1893-date.....qr033 M65

LAROUSSE, Pierre Athanase, *comp.*

Grand dictionnaire universel du 19e siècle, & 2 suppléments. 17v. 1865-90.....qr034 L33

040 General collections

COTGREAVE, Alfred, *comp.*

Contents-subject index to general and periodical literature. 1900.....r040 C83

EVENS, William.

Scrap book compiled by William Evens.....qr040 E95

Miscellaneous clippings collected by an old Pittsburgh musician.

FLETCHER, William Isaac, *ed.*

"A. L. A." index; an index to general literature. 1893....qr040 F63

The same. 1901.....qr040 F63a

050 General periodicals

Indexes

ANNUAL literary index, including periodicals and essays; ed.

by W. I. Fletcher and R. R. Bowker, 1892-date. v.1-date. 1893-date.....qr050 A61

CUMULATIVE index to a selected list of periodicals, 1896-

date. v.1-date. 1897-date.....qr050 C91

DIETRICH, F. *comp.*

Bibliographie der deutschen zeitschriften-litteratur. v.1-date. 1897-date.....qr053 D57

The same; supplementband, bibliographie der deutschen rezensionen, 1900-date. v.1-date. 1901-date.....qr053 D57s

INDEX to the periodical literature of the world. *See* Review of reviews. Annual index of periodicals.

POOLE, William Frederick, *comp.*

Alphabetical index to subjects treated in the reviews and other periodicals to which no indexes have been published, prepared for the library of the Brothers in unity, Yale college. 1848.....r050 P79a

The germ of Poole's invaluable "Index to periodical literature," compiled when the author was a student at Yale. He himself says of it, "My work, though crude and feeble on its bibliographical side, answered its purpose, and brought to me the whole body of students for a kind of help they could not get from the library catalogues, nor from any other source...The little book is now a curiosity in more senses than one."

A second edition, with six times the amount of matter contained in the first, appeared in 1853, and was incorporated later into the well-known "Index" of 1882.

POOLE, William Frederick, & Fletcher, W. I. *comp.*

Index to periodical literature; and supplements, 1802-1896.

4v. in 5. 1888-97.....qr050 P79

The same; abridged edition covering the contents of thirty-seven important periodicals, 1815-1899, by W. I. Fletcher and Mary Poole. 1901.....qr050 P79i

RÉPERTOIRE bibliographique des principales revues françaises: rédigé par D. Jordell, 1898-date. v.2-date. 1900-date.qro54 R35

REVIEW OF REVIEWS.

Annual index of periodicals & photographs, 1890-date.

v.1-date. 1891-date.qro50 R36

v.2-4 title reads "Index to the periodical literature of the world."

v.5-date title reads "Index to the periodicals."

051 American periodicals

AMERICAN eclectic; or, Selections from the periodical literature of all foreign countries; ed. by Absalom Peters and others; bi-monthly. 4v. 1841-42.ro51 A512
No more published.

AMERICAN monthly review. 4v. in 3. 1832-33.ro51 A5123
No more published.

AMERICAN monthly review of reviews. *See* Review of reviews.

AMERICAN notes and queries; weekly. 8v. 1888-92.ro51 A512

AMERICAN quarterly review, Mar. 1827-Dec. 1837. 22v.

1827-37.ro50 A51

No more published.

AMERICAN review; a Whig journal; monthly. 16v. 1845-52.ro51 A51
v.11-16 title reads "American Whig review."

No more published.

AMERICAN review of history and politics; ed. by R. Walsh; quarterly. 4v. 1811-12.ro51 A513

No more published.

AMERICAN Whig review. *See* American review.

ANALECTIC magazine; containing selections from foreign reviews and magazines; monthly, Jan. 1813-June 1819.

v.1-13. 1813-19.ro51 A53

v.6-8 title reads "Analectic magazine and naval chronicle."

APPLETONS' journal of literature, science and art; weekly and monthly. 26v. 1869-81.qro51 A65

No more published.

ARENA; monthly. v.1-date. 1890-date.ro51 A68

ATLANTIC monthly. v.1-date. 1858-date.ro51 A88

Index, v.1-62. 1889.

BAY state monthly. *See* New England magazine.

BOOK buyer; a summary of American and foreign literature;

monthly. v.1-date. 1884-date.ro51 B63b

BOOK news; monthly. v.16-date. 1897-date.qro51 B63i

BOOK reviews; monthly. v.3-9. 1895-1901.ro51 B632

No more published.

BOOKMAN; illustrated literary journal; monthly. v.1-date.

1895-date.qro51 B63

BOSTONIAN. *See* National magazine.

CALIFORNIAN; a Western monthly magazine. 6v.

1880-82.qro51 C13

Oct.-Dec. 1882 title reads the "Californian and overland monthly." No

more published.

CANADIAN magazine of politics, science, art and literature;

monthly. v.1-date. 1893-date.ro51 C16

- CANADIAN monthly and national review, Jan. 1872-June 1882. 21v. 1872-82.....ro51 C167
No more published.
- CENTURY illustrated monthly magazine. v.1-date. 1882-date.ro51 S431
Being v.23-date of "Scribner's monthly."
The same. v.36-date. 1899-date.....051 S431
Being v.58-date of "Scribner's monthly."
- CHAP-BOOK; semi-monthly. 9v. 1894-98.....qro51 C36
No more published.
- CHAUTAUQUAN; monthly. v.1-date. 1881-date.....qro51 C41
- CONSERVATIVE review. v.1-date. 1899-date.....ro51 C75
- CONTINENTAL monthly, devoted to literature and national policy, Jan. 1862-June 1864. v.1-5. 1862-64.....ro51 C76
- COSMOPOLITAN; monthly. v.1-date. 1886-date.....ro51 C83
- CRITIC; weekly. New series, v.1-date. 1884-date.....qro51 C88
- CURRENT literature; monthly. v.1-date. 1888-date.....qro51 C93
- DAGUERREOTYPE; a magazine of foreign literature and science, comp. chiefly from the periodical publications of England, France and Germany; semi-monthly, Aug. 7, 1847-Apr. 17, 1849. v.1-3. 1847-49.....qro51 D14
- DIAL; monthly and semi-monthly. v.1-date. 1881-date....qro51 D53
- ECLECTIC magazine of foreign literature, science and art; monthly. v.1-date. 1844-date.....ro51 E25
v.132 begins a new series, and title reads "Eclectic magazine and monthly edition of the Living age."
- EMERSON'S magazine and Putnam's monthly. *See* Putnam's monthly magazine.
- EVERY Saturday; weekly. 17v. 1866-74.....qro51 E95
In Nov. 1874 this was incorporated with "Littell's living age."
- FORUM; monthly. v.1-date. 1886-date.....ro51 F79
—Index, v.1-32. 1902.
- FRANK Leslie's popular monthly. v.44-date. 1897-date....qro51 F87
- GALAXY; semi-monthly and monthly. v.1-24, in 25. 1866-77..ro51 G14
Publication ceased with v.25.
Incorporated with "Atlantic monthly."
- GRAHAM'S magazine; monthly, Jan.-June 1851. v.38. 1851..qro51 G77
- GRANITE monthly; a New Hampshire magazine devoted to literature, history and state progress. v.1-date. 1877-date.ro51 G78
- GREAT round world; a history of our own times for boys and girls; weekly. v.1-date. 1896-date.....rj051 G82
The same. v.3-date. 1899-date.....j051 G82
- HARPER'S new monthly magazine. v.1-date. 1850-date....ro51 H28
—Index, v.1-85. 1893.
The same. v.100-date. 1900-date.....051 H28
- HARPER'S young people; weekly and monthly. 20v. 1880-99.....qrj051 H28
The same. v.2, 17-18. 1881-98.....qj051 H28
v.16-20 title reads "Harper's round table."
No more published.
- HESPERIAN tree; an annual of the Ohio valley; ed. by J. J. Piatt. v.1-date. 1900-date.....qro51 H48
"Editor's aim has been to offer to the public in this annual a magazine of literary miscellany in prose and verse comprising original stories, sketches, essays and poems—the contributors to which should be native

to or identified with the Ohio Valley...with reproductions...of pictures and drawings, as well as works in sculpture, by artists also native to or identified with our...valley." *Editor's note.*

HOURS at home; monthly. 11v. 1865-70.....r051 H83
No more published.

ILLUSTRATED American; weekly. 25v. 1890-99.....q051 I22
v.22-23 wanting.
No more published.

INTER ocean curiosity shop, 1880-1892. v.3-15. 1881-93...r051 I2481
Publication ceased with v.15.

INTERNATIONAL monthly; a magazine of contemporary thought. v.1-date. 1900-date.....r051 I2482

INTERNATIONAL monthly magazine. 5v. 1850-52.....r051 I248
No more published.

INTERNATIONAL review; bi-monthly. 14v. 1874-83.....r051 I24
No more published.

KNICKERBOCKER; or, New-York monthly magazine.
v.1-60. 1833-62.r051 K34
March 1844 wanting.

LAND we love; monthly, May 1866-Mar. 1869. v.1-6. 1866-69..r051 L21
A general literary magazine published in the South and specially devoted to Southern interests. It contains considerable material relating to the Civil war.

The LIBRARY; weekly, March 10th-Sept. 1st, 1900. v.1,
no.1-26. 1900. Pittsburgh.....q051 L68
No more published.

LIPPINCOTT'S monthly magazine. v.1-date. 1868-date..r051 L73

LITERARY digest; weekly. v.12-date. 1896-date.....q051 L741d
LITERARY world; monthly and semi-monthly. v.9-date.

1878-date.q051 L741

LITTELL'S living age; weekly. v.1-date. 1844-date.....r051 L74
—Complete index, v.1-100. 1891.

LITTLE folks; monthly. v.1-date. 1899-date.....rj051 L74

McCLURE'S magazine; monthly. v.1-date. 1893-date.....r051 M13

MIDLAND monthly. v.8-11. 1897-99.....r051 M67
Publication ceased with v.11.

MISCELLANEOUS notes and queries, with answers; pub.
by S. C. & L. M. Gould; monthly, July 1882-date. v.1-
date. 1884-date.....r051 M73
v.16 title reads "The grand man; notes and queries."
v.17-date title reads "Notes and queries and historic magazine."

MUNSEY'S magazine; monthly, Oct. 1891-date. v.6-date.
1892-date.r051 M96
Prior to October 1891 this appeared as a weekly publication.

NATIONAL magazine; an illustrated monthly. v.1-date.
1896-date.q051 B64
v.1-3 published as the "Bostonian."

NATIONAL magazine; devoted to literature, art and religion; ed. by Abel Stevens and James Floy; monthly.
13v. 1852-58.....r051 N15
No more published.

NEW England magazine. v.1-date. 1884-date.....r051 B33
v.1-3 published as the "Bay state monthly."

NEW-ENGLAND magazine; ed. by J. T. Buckingham and others; monthly, July 1831-Dec. 1835. 9v. 1831-35...r051 N2612
Continued as "American monthly magazine."

- NEW Englander. 56v. 1843-92.....ro51 N261
 ————Index, v.1-19. 1862.
 v.44-56 title reads "New Englander and Yale review."
 Succeeded by the "Yale review."
- NEW YORK review; half yearly and quarterly. 10v. 1837-42..ro51 N26
 No more published.
- NORTH American review; bi-monthly and monthly. v.1-
 date. 1815-date.....ro51 N45
- NOTES and queries and historic magazine. See Miscellane-
 ous notes and queries.
- OLD and new; monthly. 11v. 1870-75.....ro51 O23
 No more published.
- OPEN court; a monthly magazine. v.3, no.2-date. 1889-
 date.qro51 O26
- OUR day; a record and review of current reform; ed. by
 Joseph Cook and others; monthly. v.1-8. 1888-91...ro51 O327
- OUR monthly; a religious and literary magazine. 4v. in 2.
 1870-71.ro51 O32
- OUR young folks; monthly. 9v. 1865-73.....rj051 O32
- OVERLAND monthly. v.1-date. 1868-date.....ro51 O33
 Discontinued from Jan. 1876-Dec. 1882.
- PENN monthly magazine. 14v. in 13. 1870-82.....ro51 P39
 No more published; v.14 consists of one number only.
- The PHILISTINE; a periodical of protest, printed for the
 Society of the Philistines; monthly. v.1-date. 1895-
 date.ro51 P49
- PUTNAM'S monthly magazine. 16v. 1853-70.....ro51 P99
 No more published.
 v.10 title reads "Emerson's magazine and Putnam's monthly."
- REVIEW of reviews; monthly. v.1-date. 1890-date.....qro51 R39
 v.16-date title reads "American monthly review of reviews."
- RIVERSIDE magazine; monthly. 4v. 1867-70.....rj051 R52
 No more published.
- ST. LOUIS public library magazine; monthly, Apr. 1897-Nov.
 1898. v.4-5. 1897-1900.....qro51 S14
 A continuation of the "Bulletin of the St. Louis public library," under
 which title the first three volumes were issued.
 No more published.
- ST. NICHOLAS; monthly, Nov. 1873-date. v.1-date. 1874-
 date.rj051 S14
 ————Index, v.1-21. 1894.
 ————Index, v.1-27. 1901.
 The same. v.1-date. 1874-date.....j051 S14
- SCRIBNER'S magazine; monthly. v.1-date. 1887-date.....ro51 S43
 The same. v.27-date. 1900-date.....051 S43
- SCRIBNER'S monthly. v.1-date. 1871-date.....ro51 S431
 v.23-date title reads "Century illustrated monthly magazine."
 The same. v.58-date. 1899-date.....051 S431
- SOUTHERN literary messenger; monthly, Jan. 1837-June
 1864. v.3-36. 1837-64.....qro51 S72
 Pts. of v.32 & 35 wanting.
 v.12-13 title reads "Southern and Western literary messenger and
 review."
- WIDE awake; monthly. 37v. 1875-93.....rj051 W67
 Incorporated with "St. Nicholas" in Sept. 1893.
- WORLD'S work; monthly, Nov. 1900-date. v.1-date. 1901-
 date.qro51 W89
- YOUTH'S companion; weekly. v.57-date. 1884-date.....qrj051 Y42

052 English periodicals

- ALL the year round; a weekly journal; conducted by Charles Dickens, April 30, 1859–March 30, 1895. 76v. 1859–95..qro52 A41
After March 30, 1895, this publication was discontinued and the magazine incorporated with "Household words."
- ANGLO-SAXON review; a quarterly miscellany; ed. by Lady Randolph Spencer Churchill. 10v. 1899–1901.....qro52 A58
No more published.
- ANTIQUARIAN magazine & bibliographer; ed. by Edward Walford; monthly. 12v. 1882–87.....ro52 A63
v.8–12 title reads "Walford's antiquarian magazine and bibliographical review;" v.11–12 are edited by G. W. Redway.
No more published.
- ARGOSY; monthly. 75v. 1866–1901.....ro52 A69
No more published.
- BELGRAVIA; monthly. 98v. 1867–99.....ro52 B39
Publication ceased with June 1899.
- BENTLEY'S miscellany; monthly. 64v. 1837–68.....ro52 B44
No more published. Incorporated with "Temple bar."
- BLACKWOOD'S Edinburgh magazine; monthly. v.1–date. 1817–date.ro52 B51
———General index, v.1–50. 1855.
- BRITISH and foreign review; or, European quarterly journal. 18v. 1835–44.....ro52 B756
No more published.
- BRITISH quarterly review. 83v. 1845–86.....ro52 B75
No more published.
- CHAMBERS'S Edinburgh journal; weekly. v.1–date. 1833–date.qro52 C35
v.33–date title reads "Chambers's journal."
- CONTEMPORARY review; monthly. v.1–date. 1866–date..ro52 C76
- CORNHILL magazine; monthly. v.1–date. 1860–date.....ro52 C82
- COSMOPOLIS; an international monthly review. 12v. 1806–98.ro52 C83
No more published.
- DARK blue; monthly. v.1–5, no.1, in 4. 1871–73.....ro52 D25
No more published.
- DUBLIN university magazine; monthly. 96v. 1833–80.....ro52 D85
v.91–96 title reads "University magazine."
v.96 consists of two quarterly numbers.
No more published.
- EDINBURGH review; quarterly, Oct. 1802–date. v.1–date. 1814–date.ro52 E28
———General index, v.1–20. 1813.
———General index, v.21–50. 1832.
———General index, v.51–80. 1850.
———General index, v.81–110. 1862.
———General index, v.111–140. 1876.
- ENGLISH illustrated magazine; monthly, 1883–date. v.1–date. 1884–date.....qro52 E64
- FOREIGN quarterly review. 37v. 1827–46.....ro52 F76
No more published.
- FORTNIGHTLY review. v.1–date. 1865–date.....ro52 F79
- FRASER'S magazine; monthly. 106v. 1830–82.....ro52 F88
No more published.

- GENTLEMAN'S magazine; monthly, 1731-May 1868. 138v.
 in 221. 1806-68.....r052 G29
 —General index, 1731-1786. 2v. 1818.
 —General index, 1787-1818. 2v. 1821.
 —Complete list of plates and wood-cuts, 1731-1818. 1821.
 v.30, 1760; v.90, pt.1, Jan.-June 1820, wanting.
 The same, new ser. June 1868-date. v.1-date. 1868-date..r052 G29g
- HOUSEHOLD words; a weekly journal; conducted by
 Charles Dickens. 19v. 1850-59.....r052 H83
 Continued as "All the year round."
- HOWITT'S journal of literature and popular progress; ed.
 by William and Mary Howitt; weekly. 3v. 1847-48..qr052 H86
 In 1849 incorporated with the "People's journal" and continued as
 "Peoples and Howitt's journal."
- IDLER; monthly. v.1-date. 1892-date.....r052 I14
- ILLUMINATED magazine; ed. by Douglas Jerrold; monthly.
 4v. 1843-45.....qr052 I22
 No more published.
- KNIGHT'S penny magazine. *See* Penny magazine.
- LEISURE hour; weekly and monthly. v.1-date. 1852-date..qr052 L56
 —Index, v.1-25.
- LITERATURE; ed. by H. D. Traill; weekly. 9v. 1898-1902..qr052 L74
 United with the "Academy," Jan. 18, 1902.
- LONDON magazine; or, Gentleman's monthly intelligencer.
 v.1-54. 1732-85.....r052 L822
 —General index, v.1-27. 1760.
 v.5-16 title reads "London magazine and monthly chronologer."
- LONDON quarterly review. v.1-date. 1853-date.....r052 L82
- LONDON review; quarterly. *See* Westminster review.
- LONGMAN'S magazine; monthly, Nov. 1882-date. v.1-date.
 1883-date.r052 L83
- MACMILLAN'S magazine; monthly, Nov. 1859-date. v.1-
 date. 1860-date.....r052 M21
- MONTHLY review. v.1-date. 1900-date.....qr052 M86
- MURRAY'S magazine; a home and colonial periodical;
 monthly. 10v. 1887-91.....r052 M97
 No more published.
- NATIONAL review; monthly. v.1-date. 1883-date.....r052 N155
- NATIONAL review; quarterly. 19v. 1855-64.....r052 N15
 No more published.
- NEW review; monthly. 17v. 1889-97.....r052 N28
 No more published.
- NINETEENTH century; monthly. v.1-date. 1877-date....r052 N36
- NORTH British review; quarterly. 53v. 1844-71.....r052 N45
 No more published.
- NOTES and queries; weekly, Nov. 1849-date. v.1-date.
 1850-date.r052 N47
 —Index, v.1-12. 1856.
 —Index, v.13-24. 1862.
 —Index, v.25-36. 1868.
 —Index, v.37-48. 1874.
 —Index, v.49-60. 1880.
 —Index, v.61-72. 1886.
 —Index, v.73-84. 1892.
 —Index, v.85-96. 1898.
- ONCE a week; July 2, 1859-Aug. 29, 1874. v.1-30. 1859-74..r052 O25

- OUTLOOK in politics, life, letters and the arts; weekly. v.1-date. 1898-date.....qro52 O32
- PALL Mall magazine; monthly. v.1-date. 1893-date.....ro52 Pr8
- PENNY magazine; weekly. 16v. in 15. 1832-46.....qro52 P41
v.15-16 title reads "Knight's penny magazine."
No more published.
- PUNCH; weekly, July-Dec. 1896, 1898-date. v.111, 114-date.
1896-date.....qro52 P98
- QUARTERLY review, Feb. 1809-date. v.1-date. 1810-date..ro52 Q19
—General index, v.1-19. 1820.
—General index, v.21-39. 1831.
—General index, v.41-59. 1839.
—General index, v.61-79. 1850.
—General index, v.81-99. 1858.
—General index, v.101-120. 1867.
—General index, v.122-139. 1876.
—General index, v.141-159. 1885.
—General index, v.161-180. 1895.
- RETROSPECTIVE review. 18v. 1820-54.....ro52 R36
Not published between the years 1829 and 1852.
- SCOTTISH review; quarterly. v.1-date. 1883-date.....ro52 S42
- SPIELMANN, Marion Harry.
History of "Punch." 1895.....052 S75
- SPIRIT of the public journals, 1797-1801. v.1-5. 1799-1802...ro52 S75
Annual selections, chiefly prose, from the contemporary newspapers and
other publications.
- STRAND magazine; an illustrated monthly. v.1-date. 1891-
date.....ro52 S89
- TAIT'S Edinburgh magazine; monthly. v.11-12. 1844-45..qro52 T14
- TEMPLE bar; a London magazine; monthly. v.1-date.
1861-date.....ro52 T28
—Index, v.1-99, 1860-1893.
- TIME; a monthly miscellany. 23v. 1879-90.....ro52 T47
No more published.
- UNIVERSAL review; ed. by Harry Quilter; monthly, May
1888-Dec. 1890. 8v. 1888-90.....qro52 U25
No more published.
- UNIVERSITY magazine. *See* Dublin university magazine.
- WALFORD'S antiquarian magazine and bibliographical re-
view. *See* Antiquarian magazine.
- WESTMINSTER review; quarterly and monthly. v.1-date.
1824-date.....qro52 W56
For changes in title and numbering of volumes *see* Boston Athenæum
catalogue, v.5, p.3297.
- WORLD, by Adam Fitz-Adam; weekly. 4v. 1753-56.....qro52 W89
Edited by Edward Moore, who wrote 61 out of 210 numbers. No more
published.
"My design in this paper is to ridicule, with novelty and good-humour,
the fashions, follies, vices and absurdities of the human species which
calls itself the World, and to trace it through all its business, pleasures
and amusements." *Editor*.
Among the contributors to the "World" were Lord Lyttelton, its pro-
jector, the earls of Chesterfield, Bath and Cork, and Horace Walpole.

053-055 Foreign periodicals

- DEUTSCHE rundschau; hrsg. von Julius Rodenberg; month-
ly. v.1-date. 1874-date.....ro53 D48
—Generalregister, v.1-40. 1885.
—Generalregister, v.41-80. 1896.

- ÜBER land und meer; allgemeine illustrierte zeitung; weekly.
v.49-54. 1883-85.....qro53 U12
- REVUE des deux mondes; bi-weekly, 65e année-date. v.132-
date. 1895-date.....qro54 R37
- REVUE politique et littéraire, revue bleue; weekly. series 4,
v.7-date. 1897-date.....qro54 R37r
- NUOVA antologia di lettere, scienze ed arti; semi-monthly.
v.169-date. 1900-date.....ro55 N52

060 General societies

- BROOKLYN INSTITUTE OF ARTS AND SCIENCES.
Year-book, 1893/94, 1898/99-1899/1900. v.6, 11-12. 1894-
1900.....ro61 B77
- ESSEX INSTITUTE, Salem, Mass.
Bulletin; monthly, quarterly and semi-yearly, 1869-date.
v.1-30. 1870-98.....ro61 E84
No more published.
- Proceedings, and communications, 1848-1870. 6v. in 3.
1856-71.ro61 E84p
v.4-6, "Proceedings" and "Communications" have separate title-pages.
No more published.
- ROYAL SOCIETY OF CANADA.
Proceedings and transactions, 1882-1894, 1900-date. v.1-12,
19-date. 1883-date.....qro61 R81
v.12 contains a general index to v.1-12.
- HUME, Abraham.
Learned societies and printing clubs of the United King-
dom. 1847.....ro62 H92

070 Newspapers, journalism

- BOURNE, Henry Richard Fox.
English newspapers; chapters in the history of journalism.
2v. 1887.....072 B65
- BUCKINGHAM, Joseph Tinker.
Specimens of newspaper literature. 2v. 1852.....ro71 B85
- COOPER, Charles Alfred.
An editor's retrospect; fifty years of newspaper work. 1896..070 C78
- DANA, Charles Anderson.
Art of newspaper making. 1895.....070 D19
- GRANT, James.
Newspaper press; its origin, progress and present position.
3v. 1871.....ro70 G78
v.3 title reads "The metropolitan weekly and provincial press."
- HARTMANN, Martin.
The Arabic press of Egypt. 1899.....079 H32
List of newspapers and periodicals that have appeared or are now (1899)
appearing in Egypt, p.52-86.

- HILL, Ashbel Fairchilds.
 Secrets of the sanctum; an inside view of an editor's life.
 1875.ro70 H55
- HUDSON, Frederic.
 Journalism in the United States, 1690-1872. 1873.....071 H88
- PERRIN, William Henry.
 Pioneer press of Kentucky, from the printing of the first
 paper west of the Alleghanies, Aug. 11, 1787, to the
 establishment of the daily press in 1830. 1888. (Filson
 club. Publications.).....qr071 P44
- RITENOUR, John S.
 Journalism as a profession. 1899.....070 R51
 First published in the "Forum," v.25.

Newspaper directories

- HUBBARD'S newspaper and bank directory of the world.
 v.3. 1883-84.....ro70 H87
- PETTENGILL'S newspaper directory and advertisers' hand-
 book for 1877, comprising a complete list of the news-
 papers and other periodicals published in the United
 States and British America. 1877.....ro71 P46
- REMINGTON, Edward Pym, *pub.*
 Annual newspaper directory, 1901-02; a list of all news-
 papers and other periodical publications of the United
 States and Canada. 2v. 1901-02.....ro71 R333
- REMINGTON BROTHERS, *pub.*
 Newspaper manual; a catalogue of the newspapers of the
 United States and Canada, 1892. v.6. 1892.....ro71 R33
- ROWELL, (George P.) & CO. *pub.*
 American newspaper directory, 1873, 1895, 1898, 1902. v.5,
 27, 30, 34. 1873-1902.....qr071 R79
- WILLING, James, *pub.*
 British & Irish press guide. v.22-date. 1895-date.....ro72 W75

071 American newspapers

- AMERICAN manufacturer; weekly. v.12-13, no.28, in 1.
 1841-42. Pittsburgh.....qr071 A512
 United with the "Pittsburgh mercury" to form the "Pittsburgh post."
- AMERICAN weekly mercury, 1719-21. v.1-2. 1898.....qr071 A51
 Republished in facsimile by the Colonial society of Pennsylvania.
- BOSTON evening transcript; daily, Nov. 1, 1895-date. 1895-
 date.qr071 B64
- CHICAGO times-herald; daily, Nov. 5, 1895-date. 1895-date..qr071 C43
- GREENSBURG, Pa. Farmers' register; weekly, June 21, 1799-
 Apr. 24, 1802. v.1, no.5-v.2, no.153, in 1. 1799-1802.....qr071 G84
 v.1, no.6-11, 13, 34-35, 43, 47, 82-86, 93; v.2, no.111, 140, 146 wanting.
- HARPER'S bazar; weekly. v.1-date. 1867-date.....qr071 H284
 v.29-32 wanting.
- HARPER'S weekly. v.1-date. 1857-date.....qr071 H28

- ILLUSTRATED news, New York; weekly. v.1-2, no.48.
1853.qro71 I22
- INDEPENDENT; weekly. v.48-date. 1896-date.....qro71 I24
- INDEPENDENT balance, by Democritus the younger; weekly,
ly, Apr. 16, 1817-May 13, 1818, May 16-June 13, 1821.
v.1-2, no.5; v.5, no.6-10, in 1. 1817-21.....qro71 P39
v.1, no.16, 25, 37, 46; v.2, no.2; v.5, no.9 wanting.
Bound with the "Pennsylvania farmer."
- INDEX of Pittsburgh life; weekly, Oct. 6, 1900-date. v.6-
date. 1900-date.....qro71 I242
- NATION; weekly. v.1-date. 1865-date.....qro71 N15
- NEW-YORK daily times, May 9, 1854-Nov. 29, 1896. v.3,
no.824-v.46, no.14127. 1854-96.....qro71 N26d
v.3, no.824-825 title reads "New-York evening times." v.7, Jan.-Aug.
1858, wanting.
Sept. 6, 1857-Nov. 29, 1896 title reads "New-York times."
- NEW-YORK daily tribune, Jan. 1, 1859-date. v.18-date.
1859-date.qro71 N261t
"New-York tribune," Nov. 6-7, 14, 1857; Dec. 3-5, 7-9, 11, 19, 1857;
July 17, 19, 21, 26, 27, 28, 1858 bound with v.7-8, Sept.-Dec. 1858, of
the "New-York times."
April 10, 1866-date title reads "New-York tribune."
- Index to the daily Tribune, 1876-77, 1880-88, 1890-date.
1876-date.ro71 N261
- NEW YORK, Evening post; daily. v.93-date. 1894-date..qro71 N26e
- NEW-YORK mirror; a weekly journal. v.16. 1838-39.....qro71 N26
- NEW YORK, Sun; daily, July 1, 1884-date. v.51, no.305-
date. 1884-date.....qro71 N26s
- OUTLOOK; weekly. v.48-date. 1893-date.....qro71 O32
- PENNSYLVANIA farmer; weekly, Aug. 26, 1812-Sept. 1,
1813. v.1-2, no.2, in 1. 1812-13.....qro71 P39
v.1, no.35, 39, 42 wanting.
- PENNSYLVANIAN; daily, Nov. 13, 1846-Dec. 30, 1850. v.28,
no.4701-v.35, no.6977, in 4. 1846-50.....qro71 P399
May-Dec. 1849 wanting.
- PHILADELPHIA, North American; daily, Feb. 6, 1877-
Apr. 26, 1878. 1877-78.....qro71 P49
Runing title reads "Philadelphia North American and United States
gazette."
- PHILADELPHIA, Press; daily, Jan. 4, 1858-date. v.1,
no.131-date. 1858-date.....qro71 P49p
Dec. 11-17, 1866; Feb. 6, 1877-Apr. 22, 1878, wanting.
July 5, 1880-Feb. 2, 1885 title reads "Philadelphia press."
- PHILADELPHIA, United States gazette; semi-weekly, Apr.
7-Dec. 8, 1813. v.13, no.1238-1308. 1813.....qro71 P494
Imperfect.
- PITTSBURG bulletin; a weekly journal, Nov. 9, 1895-date.
v.32-date. 1896-date.....qro71 P67b
- PITTSBURGH chronicle telegraph; daily, Jan. 2, 1884-date.
1884-date.qro71 P674
Formed by the union of the "Pittsburgh morning chronicle" and the
"Pittsburgh evening telegraph."
- PITTSBURGH commercial; daily, July 1, 1864-Feb. 14, 1877.
v.1, no.249-v.14, no.134. 1864-77.....qro71 P67c
On Feb. 15, 1877, the "Pittsburgh commercial" united with the "Pitts-
burgh gazette" under the title "Pittsburgh gazette-commercial."

- The same*; weekly, Nov. 9, 1867–Oct. 31, 1868, 1869, 1872, 1875. v.5, v.6, no.9–v.7, no.8, v.9, no.9–v.10, no.8, v.12, no.8–v.13, no.7, in 4. 1867–75.....qro71 P67co
- PITTSBURGH, Daily advocate and advertiser; Oct. 18, 1839–Nov. 6, 1840. v.8, no.16–v.9, no.32. 1839–40.....qro71 P67dai
The Pittsburgh "Weekly advocate and emporium," Nov. 13, 1840–Jan. 29, 1841; and the "Pittsburgh gazette," Nov. 20, 27, Dec. 18, 1840 are bound with the Pittsburgh "Daily advocate and advertiser."
- PITTSBURGH, Daily commercial journal; Dec. 31–April 23, 1846. Jan. 1, 1848–April 30, 1849. v.4–5. 1846–49....qro71 P67d
- PITTSBURG daily dispatch; Aug. 9, 1847–Dec. 1850; Jan. 1855–Jan. 1863; Jan. 1864–June 1864; Nov. 4, 1895–date. 1847–dateqro71 P67di
Nov. 4, 1895–date title reads "Pittsburg dispatch."
- PITTSBURG daily news, March 16, 1896–Jan. 8, 1901. 19v. 1896–1901.....qro71 P67n
No more published.
- PITTSBURGH, Daily Pittsburgher; Jan. 3, 1840–Oct. 28, 1840. v.1, no.211–v.2, no.142, in 1. 1840.....qro71 P67da
- PITTSBURGH evening telegraph; daily, Apr. 16, 1873–Dec. 31, 1883. 1873–83.....qro71 P67te
United with the "Pittsburgh morning chronicle" to form the "Pittsburgh chronicle telegraph."
May 6, 1876–Dec. 1883 title reads "Pittsburgh telegraph."
- The same*; weekly, Mar. 27, 1847–Mar. 22, 1848, Apr. 17, 1875–Aug. 21, 1880. 1847–80.....qro71 P67tez
Mar. 27, 1847–Mar. 22, 1848 title reads "Pittsburgh telegraph;" Apr. 17, 1875–Aug. 21, 1880 title reads "Pittsburgh weekly telegraph."
- PITTSBURGH, Der freiheits freund; daily, Dec. 10, 1844–date. 1844–date.....qro71 P67f
May 8–Dec. 13, 1847, 1849, Jan.–June 1850, Mar. 28–July 19, 1853 wanting.
Dec. 1844–Nov. 1845, Dec. 1847–Dec. 1848, July–Dec. 1850 title reads "Der freiheits freund und Pittsburger beobachter;" May 1851–Mar. 1852 title reads "Der tägliche freiheitsfreund;" July 1860–Dec. 1864 title reads "Der freiheits freund und Pittsburger courier;" Feb. 1901–date title reads "Volksblatt und freiheits-freund."
- The same*; weekly, July 2, 1852–June 29, 1866, Jan. 3, 1873–June 27, 1890. 1852–90.....qro71 P67f2
July 1852–Sept. 1860 title reads "Der freiheits freund und Pittsburger beobachter;" Oct. 1861–June 1866, Jan. 1873–June 1890 title reads "Der freiheits freund und Pittsburger courier."
- PITTSBURGH gazette; daily, July 30, 1833–date. v.48, no.91–date. 1833–date.....qro71 P67g
Aug. 1834–Dec. 1835, Apr. 12–Oct. 31, 1836, July 1837–Oct. 16, 1839, Feb. 25, 1841–July 23, 1844 wanting.
The "Pittsburgh gazette" for Nov. 20, 27, Dec. 18, 1840 is bound with Pittsburgh, "Daily advocate and advertiser," v.8–9.
The "Weekly gazette" for Jan. 1–March 18, 1868 is bound with v.82–83 of the "Pittsburgh gazette."
The "Pittsburgh weekly gazette" for Jan. 1–June 28, 1873, is bound with v.88 of the "Pittsburgh gazette."
Various titles read "Pittsburgh daily gazette and advertiser," "Pittsburgh daily gazette," "Daily Pittsburgh gazette," "Daily Pittsburgh gazette and commercial journal."
On Feb. 15, 1877 the "Pittsburgh commercial" united with the "Pittsburgh gazette" under the title "Pittsburgh gazette-commercial."
Feb. 26, 1877–date title reads "Pittsburgh commercial gazette."
- PITTSBURGH, Iron city and Pittsburgh weekly chronicle, Nov. 27, 1841–Nov. 19, 1842, Jan. 5, 1853–July 26, 1854. v.1, v.12, no.6–v.13, no.40, in 2. 1841–54.....qro71 P67i

- PITTSBURG leader; daily, Nov. 4, 1895-date. v.47, no.146-date. 1895-date.....qro7i P67l
- PITTSBURGH mercury; weekly, July 9, 1812-June 24, 1815; July 4, 1817-June 15, 1824; July 5, 1826-June 3, 1828; Jan. 1, 1835-Aug. 31, 1842. v.1-3, 6-12, 15-16, 23, no.1183-v.31, no.27, in 10. 1812-42.....qro7i P67me
United with the "American manufacturer" to form the "Pittsburgh post."
- PITTSBURGH, Morning chronicle; daily, Feb. 16, 1842-Sept. 29, 1883. 1842-83.....qro7i P67m
July 1, 1848-Sept. 16, 1849, Mar. 29, 1855-Feb. 10, 1856, May 8, 1856-Feb. 7, 1858, Aug. 12, 1863-Feb. 11, 1864, Feb. 1-Aug. 31, 1868 wanting. Oct. 17, 1851-Sept. 29, 1883 title reads "Pittsburgh evening chronicle." United with the "Pittsburgh evening telegraph" to form the "Pittsburgh chronicle telegraph."
- PITTSBURGH post; daily. v.1-date. 1842-date.....qro7i P67
Formed by the union of the "American manufacturer" and "Pittsburgh mercury."
- PITTSBURG press; daily, Nov. 4, 1895-date. v.12, no.305-date. 1895-date.....qro7i P67p
- PITTSBURGH, Saturday dollar chronicle, Aug. 27, 1859-Dec. 28, 1861. 1859-61.....qro7i P67s
- PITTSBURG times; daily, Nov. 4, 1895-date. v.16, no.259-date. 1895-date.....qro7i P67t
- PITTSBURGH times; weekly, Nov. 8, 1837-Nov. 21, 1838. v.7-8, in 1. 1837-38.....qro7i P67ti
- PITTSBURGH, Weekly mercury and manufacturer; Sept. 10, 1842-July 19, 1845. v.1, no.1-v.3, no.46, in 3. 1842-45..qro7i P67w
- POULSON'S American daily advertiser, June 2, 1819-Dec. 1, 1819. v.48. 1819.....qro7i P86
- PUBLIC opinion; weekly. v.1-date. 1886-date.....qro7i P98
- REMARKUES; a home news-magazine; weekly, Sept. 1, 1900-Feb. 23, 1901, Sept. 13, 1902-Jan. 28, 1905. v.1, 4-5. 1900-05. Pittsburgh.....qro7i R33i
Discontinued.
- ROWELL, (George P.) & CO. *pub.*
American newspaper directory, 1873, 1895, 1898, 1902. v.5, 27, 30, 34. 1873-1902.....qro7i R79
- SATURDAY evening post; weekly, Oct. 14, 1826-Dec. 29, 1832. v.5, no.272-v.12, no.596, in 2. 1826-32.....qro7i S25
v.10-12 title reads "Atkinson's Saturday evening post."
- The TICKLER, by Toby Scratch 'em; weekly. v.2, no.18-v.3, no.14, in 1. 1809-10.....qro7i P39
v.2, no.23, 27, 45, 47-48 wanting.
Bound with the "Pennsylvania farmer."
- UNIONTOWN, Pa. Genius of liberty; weekly, Apr. 25, 1872-Dec. 27, 1900. v.68-96. 1872-1900.....qro7i U253
v.69, no.30, 32; v.70, no.11; v.71, no.24, 47; v.75, no.8; v.79, no.4, 28-31; v.96, no.32 wanting.
- The UNIVERSE; an illustrated weekly newspaper for young people and busy men and women. v.1, pt.1-4, in 5. 1898-Feb. 16, 1899.....rjo7i U25
No more published.
- WASHINGTON, (D. C.) Daily morning chronicle, Nov. 21, 1867-Sept. 5, 1870. v.6-8, in 6. 1867-70.....qro7i W27d

- WASHINGTON, (D. C.) Daily national intelligencer, Feb.
12, 1836–March 30, 1867. v.24–67, in 38. 1836–67....qro71 W27da
Jan. 1838–Sept. 1840 wanting.
- WASHINGTON, (D. C.) Daily union, May 1, 1846–March 6,
1847; Aug. 20, 1848–May 13, 1849. v.2, 4–5, in 2. 1846–49...qro71 W27
- WASHINGTON, (D. C.) National intelligencer; tri-weekly,
Jan. 15, 1818–Dec. 29, 1853. v.19–54, in 16. 1818–53...qro71 W27n
Oct. 1819–Nov. 1829 wanting.

072-073 English and German newspapers

- ACADEMY; monthly and weekly. v.1–date. 1869–date....qro72 A16
In Jan. 1902 "Literature" was incorporated with the "Academy" under
the title "Academy and literature."
- ATHENÆUM; weekly. v.1–date. 1828–date.....qro72 A86
- GRAPHIC; an illustrated weekly newspaper, Dec. 1869–Dec.
1870, Jan. 1900–date. v.1–2, 61–date. 1870–date.....qro72 G79
- ILLUSTRATED London news; weekly, May 1842–date. v.1–
date. 1843–date.....qro72 I22
- LONDON, Evening mail; semiweekly, Nov. 2–5, 1792, Oct.
23, 1793–Apr. 8, 1795. 1792–95.....qro72 L82i
- LONDON, Times; daily, Jan. 2, 1871–date. 1871–date.....qro72 L82
Jan. 1892–Oct. 22, 1895 wanting.
- PALMER, Samuel, *pub.*
Index to the Times newspaper, April 1, 1873–date. v.40–
date. 1877–date.....ro72 P19
- SMITH'S index to the leading articles of the Times, for the
five years ended Dec. 1900. pt.1.....ro72 S66
pt.1. Proper names (places excepted).
- SATURDAY review of politics, literature, science and art;
weekly. v.1–date. 1856–date.....qro72 S25
- SPECTATOR; a weekly journal. v.5–date. 1832–date.....qro72 S74
v.26, 1853; v.32, 1859; v.36–43, 1863–1870, wanting.
- Die NATION; wochenschrift für politik, volkswirtschaft und
litteratur, Oct. 6, 1900–date. v.18–date. 1900–date....qro73 N15

090 Book rarities

- GOSSE, Edmund William.
Gossip in a library. 1893.....090 G69
Contents: Camden's Britannia.—A mirror for magistrates.—A poet in
prison, Wither.—Death's duel.—Gerard's Herbal.—Pharamond.—A vol-
ume of old plays.—A censor of poets, Winstanley.—Lady Winchilsea's
Poems.—Amasia.—Love and business.—What Ann Lang read.—Cats.
—Smart's Poems.—Pompey the Little.—The life of John Bun-
cle.—Beau Nash.—The diary of a lover of literature.—Peter Bell and his tor-
mentors.—The fancy.—Ultra-crepidarius.—The duke of Rutland's
Poems.—Ionica.—The shaving of Shagpat.
- LAWLER, John.
Book auctions in England in the 17th century (1676–1700).
1898. (Book-lover's library.).....090 L41

- ROBERTS, William.
Rare books and their prices, with chapters on pictures, pottery, porcelain and postage stamps. 1896.....r090 R53
- DRAPER, Lyman C.
Essay on the autographic collections of the signers of the Declaration of independence and of the constitution. 1889.q091 D79
- LECOY de la MARCHE, Albert.
Les manuscrits et la miniature. (Bibliothèque de l'enseignement des beaux-arts.).....091 L49
- MADAN, Falconer.
Books in manuscript. 1893. (Books about books.).....091 M23.
List of books useful for the study of manuscripts, p.175-181.
- BRITISH MUSEUM.
Facsimiles from early printed books in the British museum; selected pages from representative specimens of the early printed books of Germany, Italy, France, Holland and England. 1897.....q093 B75
- DUFF, Edward Gordon.
Early printed books. 1893. (Books about books.).....093 D87
- APPIANUS, of Alexandria.
Delle guerre civili et esterne de Romani, aggiuntoui alla fine un libro del medesimo delle guerre di Hispania, non più ueduto. 2v. 1551.....r094 A64
The imprint is In Vinegia, in casa de' figlivoli di Aldo.
- CAXTON, William.
The golden legend; ed. by F. S. Ellis. 3v. 1892.....q094 C29.
This is the seventh of the publications of the Kelmscott press and was set up from a transcript of Caxton's first edition loaned by the Cambridge university library. It has a woodcut title, the first one designed by William Morris, and two other woodcuts designed by Burne-Jones.
- CLUVERIUS, Philippus.
Introductio in universam geographiam, tam veterem quam novam, libri VI; accessit P. Bertij Breviarium orbis terrarum. 1677.....r094 C62
The imprint is Amstelodami, apud Elzevirios.
- GROTIUS, Hugo, and others.
Dissertationes de studiis instituendis. 1645.....r094 G94
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- HERODIANUS.
Historiarum libri 8, Græce pariter & Latine. 1524.....r094 H47
The imprint is Venetiis, ædibus Aldi.
- LONG ISLAND HISTORICAL SOCIETY.
Manuscripts and early printed books bequeathed to the Long Island historical society by S. B. Duryea. 1895..q094 L82
- LUTHER, Martin.
Etliche schöne trost, schriffte des ehrwürdigen Herrn Doctoris Martini Lutheri; so er an den durchleuchtigste, fürsten uñ Herrn Hertzog Joannes, churfürsten zu Sachsen, gottseliger gedechtnis, und an andere seine herrn und gute freunde gethan, sehr tröstlichen zu lesen. 1547.....r094 L98.
- MATURANTIUS, Franciscus.
De componendis carminibus opusculum; Nicolai Perotti

- Sypontini De generibus metrorum; Eiusdem De Horatii Flacci ac Severini Boetii metris; Omni boni Vicentini De arte metrica libellus; Servii Mauri honorati grammatici Centimetrum. 1512. Venetiis.....q094 M48
Six commentaries upon metre and verse making, a fine example of the typography of the Venetian press in the early 16th century. Contains marginal annotations in manuscript. Printer unknown.
- MIRANDULA, Octavianus, *comp.*
Illustrium poëtarum flores, collecti & in locos communes digesti. 1553. Lugduni.....q094 M73
Latin poems. Of interest chiefly as a specimen of early printing. Type is mostly italic. Contains an index and is bound in the original stamped calf. Printed by Tornæsius.
- WAGNER, Bartholomæus.
Hundert alldächtiger gottseliger vund catholischer lehrreicher ausslegungen oder predigen uber alle sontägliche und feyertägliche evangelien dess gantzen jahrs. 1607.q094 W13
Sermons for each Sunday and feast day. An example of early 17th century printing.
- DAVENPORT, Cyril.
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- CONWAY, Sir William Martin.
Woodcutters of the Netherlands in the 15th century. 1884..096 C76
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- HUMPHREYS, Henry Noel.
The illuminated books of the middle ages, illustrated by Owen Jones. 1849.....q096 H92
Account of the development and progress of the art of illumination as a distinct branch of pictorial ornamentation, from the 4th to the 17th centuries. The illustrations, printed in colors and of the size of the originals, were chosen from the most beautiful mss of the period.
- POLLARD, Alfred William.
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- QUARITCH, Bernard, *pub.*
Facsimiles of choice examples selected from illuminated manuscripts, unpublished drawings and illustrated books of early date. v.3. 1890.....q016.94 Q18f
Bound with his "Catalogue of medieval literature."
- SHAW, Henry.
Handbook of the art of illumination as practised during the middle ages, with a description of the metals, pigments and processes employed. 1866.....q096 S53h
In early ages monasteries were the schools of art, and these beautiful examples of the work of the monks, still extant, in the illuminations of both religious and profane books, are evidences of their skill and patience. The art died out soon after the birth of printing. This volume exhibits, in facsimile, some of the richest work in this line.
- Illuminated ornaments selected from manuscripts and early printed books from the 6th to the 17th centuries, with descriptions by Sir Frederic Madden. 1833.....q096 S53
- TREDWELL, Daniel M.
Monograph on privately illustrated books; a plea for bibliomania. 1892.....q096 T71

WYATT, Sir Matthew Digby.

Art of illuminating as practised in Europe from the earliest times, illustrated by borders, initial letters and alphabets, selected & chromolithographed by W. R. Tymms.

1860.qro96 W97

M., T. of *New York, comp.*

Witty, humorous and merry thoughts.....ro99 M11

This and the following book are examples of minute size and typography. Each is accompanied by a magnifying glass.

STOKES, (Frederic A.) CO. *pub.*

Smallest English dictionary in the world.....ro99 S87

097 Book-plates

ALLEN, Charles Dexter.

American book-plates, with a bibliography by E. N. Hewins.

1894.097 A42

BOWDOIN, William Goodrich.

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CASTLE, Egerton.

English book-plates; an illustrated handbook. 1892.....097 C27

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FINCHAM, Henry Walter.

Artists and engravers of British and American book plates; a book of reference for book plate and print collectors.

1897.qro97 F49

Contains the names of about 1500 artists and engravers of book-plates, with lists of the plates executed by them. Gives also the approximate date of each plate and a copy of the artist's signature. Illustrations of many of the plates are given.

HAMILTON, Walter.

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Jones, A. L. Early American philosophers.

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JOHNSTON, Charles, *of the Bengal civil service.*

Memory of past births. 1899129 J36

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CARUS, Paul.

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BINET, Alfred.

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 Dictionary of psychological medicine, with the symptoms, treatment and pathology of insanity. 2v. 1892..... 132 T83
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 Mad humanity; its forms, apparent and obscure. 1898..... 132 W79
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133 Delusions, witchcraft, magic

- ASHTON, John.
 Curious creatures in zoology. 1890 133 A82
 A compilation, mostly from the old Greek and Latin authors, describing fabulous and mythical animals and monstrosities mentioned in tradition and folklore.
- AUBREY, John.
 Miscellanies upon various subjects; with Hydriotaphia; or, Urn burial, by Sir Thomas Browne..... 133 A89
 A collection of curious delusions, omens, portents and kindred superstitions.

BUCKLEY, James Monroe.

Faith-healing, Christian science and kindred phenomena.

1892133 B85

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CARPENTER, William Benjamin.

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lected by Mary Howitt. 2v. 1893133 E65

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Ten years with spiritual mediums. 1875.....133 F16

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The unknown. 1900.....133 F61

Contents: On incredulity. — On credulity. — Of telepathic communications made by the dying, and of apparitions. — Admission of facts. — Hallucinations, properly so called. — The psychic action of one mind upon another. — The world of dreams. — Distant sight in dreams. — Premonitory dreams and divination of the future.

GOOD, Arthur, (*pseud.* Tom Tit).

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HOPKINS, Albert Allis, *ed.*

Magic; stage illusions and scientific diversions, including

trick photography. 1897.....133 H78

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The same. 1897.....r133 H78

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HOPKINS, Nevil Monroe.

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The perfect way; or, The finding of Christ. 1890. (Occult series.)133 K27

LANG, Andrew.

Book of dreams and ghosts. 1897.....133 L23

In his preface Mr Lang says: "The chief purpose of this book is, if fortune helps, to entertain people interested in the kind of narratives here collected." He does not discuss the scientific theories involved, he only states the case and lets each reader draw his own conclusions. There are many instances, new and old, and the book is interesting, whether one believes in ghosts or not.

LELAND, Charles Godfrey.

Aradia; or, The gospel of the witches. 1899.....133 L57

While pursuing the study of Italian folklore, the author obtained from an Italian "sorceress" this gospel of a religion of which Diana is the goddess and her daughter Aradia the female Messiah. It sets forth how the latter was born, came down to earth, established witchcraft, and then returned to heaven. Various incantations and ceremonial forms are also included.

Gypsy sorcery and fortune telling. 1891q133 L57g

MACKAY, Charles.

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MASSEY, Gerald.

Concerning spiritualism133 M45

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MATHER, Cotton.

The wonders of the invisible world; an account of the tryals of several witches lately executed in New-England; to which is added a farther account of the tryals of the New-England witches, by Increase Mather.

1862133 M46

MATHER, Increase.

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centuries.—Clement XIV and the Jesuits.—Newman on the develop-
ment of Christian doctrine.—Relation of the clergy to the people.—Pa-
gan and Christian sepulchres.

Originally appeared in the *Quarterly review*, and are partly historical,
partly controversial, attacking the doctrines and practices which the
leaders of the Tractarian movement were then [1846-1856] trying to en-
graft on the Church of England.

"It is his [Milman's] extensive learning, his vigorous style, his pictorial
brilliancy, and, above all, his power of conveying in a few sentences a
vivid and correct impression of character and events which have cre-
ated his fame...The first two [essays] in the volume are excellent sam-
ples of his pen." *Athenaeum*, 1870.

MORISON, James Cotter.

The service of man; an essay towards the religion of the
future. 1887.....204 M89

PARKER, Theodore.

Views of religion. 1894.....204 P24

PATMORE, Coventry Kearsy Dighton.

Religio poetæ, etc. 1898. 204 P29

"Twenty-three short essays—many of them rather sermons than essays—on such topics as 'Peace in Life and Art,' 'Ancient and Modern Ideas of Purity,' 'Emotional Art,' 'Conscience,' 'Distinction'... To the average reader the book must be nothing but the vainest speculation and the dullest theory. Yet, in many ways, it is one of the most beautiful and notable works in prose that have appeared in recent years... The subjects with which these essays deal may be grouped under three heads: religion, art, and woman." *Athenæum*, 1893.

PFLEIDERER, Otto.

Evolution and theology, and other essays; ed. by Orello

Cone. 1900 204 P48

Other essays: Theology and historical science.—Luther as the founder of Protestant civilisation.—The essence of Christianity.—The notion and problem of the philosophy of religion.—The task of scientific theology for the church of the present.—Jesus' foreknowledge of his sufferings and death.—The national traits of the Germans as seen in their religion.—Is morality without religion possible or desirable?—Free from Rome!

QUINT, Alonzo Hall.

Common-sense Christianity; articles selected and arranged by

W. D. Quint. 1897. 204 Q38

Contents: Church and pulpit.—The law and the gospel.—Home and the family.—Lessons from life.

Appeared first in the *Congregationalist*.

SCHERER, Edmond.

Mélanges de critique religieuse 204 S32

Contents: La crise de la foi.—De l'inspiration de l'Écriture.—Ce que c'est que la Bible.—Du péché.—Conversations théologiques.—L'apocalypse de Commodien.—L'Angleterre aux prises avec la critique religieuse; Sterling, Froude, Newman.—Joseph de Maistre.—Lamennais.—La correspondance de Lamennais.—Le Père Gratry.—M. Veuillot et le parti catholique.—M. Taine ou la critique positiviste.—M. Proudhon ou la banqueroute du socialisme.—M. Ernest Renan; le rationalisme et l'histoire.—L'exposition des tableaux d'Ary Scheffer.

SCHLEIERMACHER, Friedrich Ernst Daniel.

Ueber die religion. 1880. (Bibliothek der deutschen nationalliteratur.) 204 S34

SMITH, Henry Boynton.

Faith and philosophy. 1886 204 S64

STEPHEN, Sir Leslie.

An agnostic's apology, and other essays. 1893. 204 S82

Other essays: The scepticism of believers.—Dreams and realities.—What is materialism?—Newman's theory of belief.—Poisonous opinions.—The religion of all sensible men.

WARD, Mrs Elizabeth Stuart (Phelps).

Struggle for immortality. 1890. 204 W21

Contents: What is a fact?—Is God good?—What does revelation reveal?—The struggle for immortality.—The Christianity of Christ.—The psychical opportunity.—The psychical wave.

WESTCOTT, Brooke Foss, bp.

Lessons from work. 1901. 204 W56

Contents: The position and call of the English church.—Christian doctrine, the spirit and method of studying it.—The condition and the mode of revelation.—The intellectual preparation of candidates for holy orders.—The study of the Bible.—The lesson of biblical revision.—The revised version of the New testament.—Biblical criticism and social problems.—Fellowship with Christ the rule and the message of the Christian minister.—Prayer the support of foreign missions.—The double witness.—The prophetic call of laymen.—Our creed and life.—Temperance.—Life.—Organization of industry.—International concord.—Expenditure.—Our attitude towards war.—The empire.—Progress.

WISEMAN, Nicholas, cardinal.

Essays on various subjects. 3v. 1853.....204 W81

- v.1. Two letters on some parts of the controversy concerning the genuineness of 1 John v.7.—Catholic versions of Scripture.—The parables of the New testament.—The miracles of the New testament.—Letters to John Poynder upon his work entitled "Popery in alliance with heathenism."—Authority of the Holy See in South America.—A paper on ecclesiastical organization.—The fate of sacrilege.—On prayer and prayer-books.—On national holydays.—Essay on the minor rites and offices of the church.—Ancient and modern Catholicity.—The actions of the New testament.
- v.2. The Hampden controversy.—Tracts for the times.—Froude's "Remains."—The high church theory of dogmatical authority.—Anglican claims of apostolical succession.—The Catholic and Anglican churches.—The Anglican system.—Protestantism of the Anglican church.—Unreality of Anglican belief.—Position of the high church theory at the close of 1847.—The fourth of October.
- v.3. Papers on history, antiquities and art.—Pope Boniface VIII.—St. Elizabeth of Hungary.—Brief account of the council held at Constantinople, 1166.—On the writings of St. Ephrem.—Account of a recently discovered Christian inscription.—Remarks on Lady Morgan's statement regarding St. Peter's chair.—The Roman forum.—Christian art.—Spanish and English national art.—Superficial travelling.—Italian guides and tourists.—Religion in Italy.—Italian gesticulation.—Early Italian academies.—Sense v. science.

205 Periodicals

AMERICAN journal of theology; ed. by the divinity faculty of the University of Chicago; quarterly. v.1-date. 1897-

date r205 A51

AMERICAN quarterly observer, July 1833-Oct. 1834. 3v. in 2.

1833-34 r205 A512

In Jan. 1835, united with the Biblical repository.

ANDOVER review; a religious and theological monthly.

v.1-19. 1884-93.....r205 A55

ASSEMBLY herald; monthly. v.1-date. 1899-date.....r205 A84

BALTIMORE literary and religious magazine, monthly;

conducted by R. J. Breckinridge and A. B. Cross. 7v.

1835-41 r205 B21

v.2, 4 missing.

Continued as "Spirit of the 19th century."

BIBLICAL repertory and Princeton review; quarterly. v.24-

27. 1852-55r205 B47

Running title reads Princeton review.

BIBLICAL repository; quarterly. Jan. 1831-Oct. 1850. 30v.

1831-50 r205 B4732

General index. v.1-21, 1831-1844. 1845.

v.5-8 title page reads Biblical repository and quarterly observer.

v.9-24 title page reads American biblical repository.

v.25-30 title page reads Biblical repository and classical review.

No more published.

Elaborate original and translated articles for the theologian and biblical student.

BIBLICAL world; monthly; new ser. v.1-date. 1893-date..r205 B4733

Continuation of the Old and New testament student.

BIBLIOTHECA sacra, and theological review; quarterly.

v.1-date. 1844-dater205 B473

Index to v.1-13. 1857.

Changes in the title of this magazine are described in the Index volume.

- CALVINISTIC monitor; monthly, July-Aug., Dec. 1839. v.1, no.
1, 2, 6. 1839qr205 W56
Bound with Western Presbyterian herald.
- CHRISTIAN advocate; monthly. 12v. 1823-34.....r205 C461
Continuation of the Presbyterian magazine.
No more published.
- CHRISTIAN advocate; weekly. v.63-69. 1888-93qr205 C4612
- CHRISTIAN examiner and theological review; bi-monthly.
v.1-85, in 36. 1824-68r205 C459
v.6-35 title reads Christian examiner and general review.
v.36-62 title reads Christian examiner and religious miscellany.
v.63-85 title reads Christian examiner.
- CHRISTIAN observer, conducted by members of the Estab-
lished church; monthly. 77v. 1802-1877.....r205 C45
No more published.
v.75-77 title reads Christian observer and advocate.
v.21, which was to be an index volume, was never issued.
- CHRISTIAN remembrancer; monthly and quarterly. 56v. 1841-
68r205 C4594
No more published.
- CHRISTIAN spectator; monthly and quarterly. 20v. 1819-
38r205 C4593
v.11-20 title reads Quarterly Christian spectator.
No more published. In 1839 united with the American biblical repository.
- CHURCH and the world; quarterly. v.1-3. 1872-74.....r205 C468
- CHURCH at home and abroad; published monthly by order
of the General assembly of the Presbyterian church.
24v. 1887-98.....r205 C46
No more published.
- CHURCH quarterly review; Oct. 1875-date. v.1-date. 1876-
dater205 C4682
- CRITICAL review of theological & philosophical literature;
quarterly. v.1-date. 1891-dater205 C88
- ENGLISH review; or, Quarterly journal of ecclesiastical and
general literature. 19v. in 18. 1844-53.....r205 E64
No more published, v.19 consists of one number only.
- GOOD words; weekly and monthly. v.1-date. 1860-date....r205 G62
- JOURNAL of sacred literature; ed. by John Kitto and others;
quarterly. 40v. 1848-68r205 J46
v.1-11 were edited by John Kitto.
v.15-38 title reads Journal of sacred literature and biblical record.
No more published.
- JOURNAL of the Society of biblical literature and exegesis;
semi-annually, June, 1881-date. v.1-date. 1882-date...r205 J466
v.9-date title reads Journal of biblical literature.
- LITERARY and theological review; quarterly. 6v. 1834-39....r205 L74
No more published.
- MERCERSBURG review; quarterly. 43v. 1849-96r205 M63
v.1-4 published bi-monthly.
v.18 contains an index to the first 18 volumes.
v.26-43 title reads Reformed quarterly review.
- METHODIST magazine; monthly, 1818-1828, 1834, 1839. v.1-
11, 16, 21. 1818-39r205 M64m
From 1829 to 1840 title reads Methodist magazine and quarterly review,
and the review was published quarterly.
Continued as the Methodist quarterly review.
Called in Poole's index the American Methodist magazine.

- METHODIST** quarterly review. 3d ser. v.1-date. 1841-dater205 M64
Continuation of the Methodist magazine.
Beginning with 5th ser. v.1 title reads Methodist review, and the issue is bi-monthly.
- MODERN** review; quarterly. 5v. 1880-84.....r205 M76
No more published.
- MONTHLY** religious magazine; Jan. 1844-Feb. 1874. 51v. in 38.
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v.15-24 title page reads Monthly religious magazine and independent journal.
v.43-44 title page reads Monthly review and religious magazine.
v.45-51 title page reads Religious magazine and monthly review.
Continued as the Unitarian review and religious magazine.
- NEW** Princeton review; bi-monthly. 6v. 1886-88.....r205 N261
A continuation of the Princeton review.
No more published.
- NEW** world; a quarterly review of religion, ethics and theology.
9v. 1892-1900r205 N26
No more published.
- NEW YORK** observer; weekly, Aug. 4, 1832-Dec. 28, 1865.
v.10, no.31-v.43, no.52, in 18. 1832-65.....qr205 N2612
- OPEN** church; quarterly, Jan. 1897-Sept. 1899. 3v. 1897-99.....r205 O26
No more published.
- PITTSBURG** recorder; weekly, Jan. 25, 1822-June 13, 1823.
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- PRESBYTERIAN**; weekly, Feb. 16, 1831-Dec. 25, 1834.
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- PRESBYTERIAN** and reformed review; quarterly. v.1-date.
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- PRESBYTERIAN** magazine; monthly. 2v. 1821-22.....r205 P922
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- PRESBYTERIAN** quarterly review, June, 1852-March, 1857,
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v.12-17 title reads American Presbyterian and theological review; v.18-20,
American Presbyterian review; v.1-20 is so called in Poole's index.
Continued as the Presbyterian quarterly.
- PRESBYTERIAN** review; quarterly. 10v. 1880-88.....r205 P92
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- PRINCETON** review; new ser. bi-monthly. 14v. in 10. 1878-84r205 P95
A continuation of the Presbyterian quarterly.
Continued as the New Princeton review.
- QUARTERLY** register and journal of the American education society. 15v. 1829-43r205 Q19
v.4-15 title page reads American quarterly register.
No more published.
- QUARTERLY** review of the Evangelical Lutheran church. v.1-date. 1871-dater205 Q192
Title page of v.8-date reads Lutheran quarterly.
Continuation of the Evangelical review.
- "SALVATION"**; a new evangelical monthly. v.1. 1899.....r205 S18
- SPIRIT** of the 19th century; ed. by R. J. Breckinridge; monthly.
2v. 1842-43.....r205 S75
No more published.
Continuation of the Baltimore literary and religious magazine.

- SPIRIT of the Pilgrims**; a monthly magazine. 6v. 1828-33..r205 S759
No more published.
- SUNDAY** magazine; monthly. v.1-date. 1865-date.....qr205 S95
- UNITARIAN** review and religious magazine; monthly, Mar. 1874-
Dec. 1891. 36v. 1874-91r205 U25
v.27-36 title reads Unitarian review.
A continuation of the Monthly religious magazine.
No more published.
- WEEKLY** recorder; a newspaper conveying intelligence, under
the heads of theology, literature and national affairs, July
5, 1814-June 28, 1815. v.1. 1814-15qr205 W42
- WESTERN** Presbyterian herald; weekly, Sept. 21, 1837-Nov. 7,
1839. v.6, no.45-v.8, no.50, in 1. 1837-39qr205 W56
v.8 title reads Protestant and herald.
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- GREEN**, Samuel Gosnell.
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- GENERAL THEOLOGICAL SEMINARY**, New York.
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- PENNSYLVANIA BAPTIST EDUCATION SOCIETY.**
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- PRINCETON UNIVERSITY**—Theological seminary.
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- WESTERN THEOLOGICAL SEMINARY**, Allegheny, Pa.
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208 Collected works

- COUPLAND**, William Chatterton, *ed.*
Thoughts and aspirations of the ages; selections from the
religious writings of the world. 1895.....208 C83
- DANA**, John Monroe, *comp.*
Wider view; a search for truth. 1899.....208 D19
Selections in prose and verse on various religious subjects.
- DEWEY**, Orville.
Works. 1896208 D51
Biographical sketch of Dewey, by M. E. Dewey, p.9-12.

DICK, Thomas.

Complete works. 9v. in 3. 1848-50r208 D54

- v.1-3. On the improvement of society by the diffusion of knowledge.—The philosophy of a future state.—The philosophy of religion; or, An illustration of the moral laws of the universe.
- v.4-6. The Christian philosopher; or, The connexion of science and philosophy with religion.—On the mental illumination and moral improvement of mankind.—An essay on the sin and the evils of covetousness, and the happy effects which would flow from a spirit of Christian beneficence.
- v.7-9. Celestial scenery; or, The wonders of the planetary system displayed, illustrating the perfections of Deity and a plurality of worlds.—The sidereal heavens and other subjects connected with astronomy.—The practical astronomer.

IRVING, Edward.

Collected writings; ed. by Gavin Carlyle. 5v. 1864-65.....208 I28

- v.1. On the word of God.—The parable of the sower.—Missionaries after the Apostolical school.—Ordination charge.—Historical view of the Church of Scotland before the reformation.—Notes on the standards of the Church of Scotland.
- v.2. John the Baptist.—The temptation.—Homilies of baptism.—Homilies on the Lord's supper.
- v.3. On prayer. — On praise. — On family and social religion. — Discourses delivered on public occasions.
- v.4. Miscellaneous discourses.
- v.5. The doctrine of the incarnation, opened.—The church.—On the gifts of the Holy Ghost.

PALEY, William.

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- v.1. Memoirs of Paley, by G. W. Meadley.—Natural theology.
- v.2. A view of the evidences of Christianity.—Tracts.
- v.3. Principles of moral and political philosophy.
- v.4. Horæ Paulinæ.—The young Christian instructed.—Clergyman's companion.
- v.5. Sermons on public occasions.—Sermons on several subjects.—Tracts.
- v.6. Sermons on various subjects.

TAYLOR, Jeremy.

Whole works; with a life of the author and a critical examination of his writings by Reginald Heber. 10v.

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- v.1. Clerus Domini.—Office ministerial.—Discourse of friendship.—Rules and advices to the clergy.—Life.—Indexes.
- v.2. Life of Christ.
- v.3. Rule and exercises of holy living and dying.
- v.4. Sermons.
- v.5. Episcopacy.—Apology for set forms.—Reverence due to the altar.—Liberty of prophesying.—Confirmation.
- v.6. Real presence of Christ in the sacrament.—Dissuasive from popery.
- v.7. Unum necessarium.—Deus justificatus.—Letters to Warner and Jeanes.—Golden grove.—Hymns.
- v.8. Worthy communicant.—Supplement of sermons.—Collection of offices.
- v.9-10. Ductor dubitantium.

209 History of religion

ADENEY, Walter Frederic.

A century's progress in religious life and thought. 1901....209 A23

Contents: Introduction.—Leading minds of the century.—The Oxford movement.—Religion and science.—Biblical criticism.—The immanence of God.—The decline of Calvinism.—Changed views of redemption.—The future.—Social questions.—Preachers and preaching.—Literature, art and recreation.

BRINTON, Daniel Garrison.

Religions of primitive peoples. 1897. (American lectures on the history of religions.)209 B75

CAIRD, Edward.

Evolution of religion; the Gifford lectures delivered before the University of St. Andrews in sessions 1890-91 and 1891-92. 2v. 1899209 C12

The first lecture contains a general statement of the problem, and the next six are devoted to an explanation of the principles upon which the author bases his view of religion and its history. The rest of the book is confined almost entirely to the development of the Jewish and the Christian religions.

CLARKE, James Freeman.

Events and epochs in religious history. 1894.....209 C53

Contents: The catacombs.—The Buddhist monks of central Asia.—The Christian monks and monastic life.—Augustine, Anselm, Bernard, and their times.—Jeanne d'Arc.—Savonarola and the renaissance.—Luther and the reformation.—Loyola and the Jesuits.—The mystics in all religions.—George Fox and the Quakers.—The Huguenots.—John Wesley and his times.

DORCHESTER, Daniel.

Problem of religious progress. 1895209 D73

EDKINS, Joseph.

The early spread of religious ideas especially in the far East. 1893. (By-paths of Bible knowledge.).....209 E28

Contents: The prae-Mosaic origin of the book of Genesis.—Primaeval monotheism in China and Persia.—The philological history of the names for God.—How religious ideas spread in the ancient world.—Polytheism in China.—The moral ideas of the Chinese.—Early spread of the belief in a future state.

JEVONS, Frank Byron.

Introduction to the history of religion. -1896.....209 J31

Contents: The supernatural.—Sympathetic magic.—Life and death.—Taboo, its transmissibility.—Things taboo.—Taboo, morality and religion.—Totemism.—Survivals of totemism.—Animal sacrifice; the altar.—Animal sacrifice; the sacrificial meal.—Fetishism.—Family gods and guardian spirits.—Ancestor-worship.—Tree and plant worship.—Nature-worship.—Syncretism and polytheism.—Mythology.—Priesthood.—The next life.—The transmigration of souls.—Mysteries.—Eleusinian mysteries.—Monotheism.—The evolution of belief.

"The work is intended primarily for students who require an introduction to the history of religion, but will also, it is hoped, prove interesting to students of folk-lore and anthropology, and to the wider circle of general readers." *Preface.*

LANG, Andrew.

Making of religion. 1898209 L23

Partial contents: Anthropology and religion.—Crystal visions, savage and civilised.—Anthropology and hallucinations.—Demonic possession.—Fetishism and spiritualism.—High gods of low races.—Theories of Jehovah.

MACKINTOSH, William.

Natural history of the Christian religion; a study of the doctrine of Jesus as developed from Judaism and converted into dogma. 1894.....209 M18

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RÉVILLE, Albert.

Prolegomena of the history of religions. 1884.....209 R36

TAYLOR, Henry Osborn.

Ancient ideals; a study of intellectual and spiritual growth from early times to the establishment of Christianity.

- 2v. 1896209 T25
 v.1. Egypt, Chaldaea and China.—India.—The Buddha.—Iran.—Greek beginnings.—Homer.—Greek principles of life.—Greek art and poetry.—Greek philosophy.—Later Hellenism.—The genius of Rome.—The republic as influenced by Greece.
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- Universal religion: a course of lessons, historical and scientific, on the various faiths of the world, by a corps of specialists in Asia, Europe and America; ed. by Edmund Buckley. 1897qr209 U25
 Contains numerous bibliographies.
 Being v.3 of "Progress."

210 Natural theology

ARGYLL, George Douglas Campbell, duke of.

- The philosophy of belief; or, Law in Christian theology.
 1896210 A69p
Contents: Intuitive theology.—The theology of the Hebrews.—Christian theology.—Christian belief.
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- Natural theology. 1891. (Manuals of Catholic philosophy.)..210 B58
 CAIRD, John.

- Fundamental ideas of Christianity; the Gifford lectures.
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 Memoir of the author, by Edward Caird, v.1, p.9-141.
 v.1. Natural and revealed religion.—Faith and reason.—The Christian idea of God.—The relation of God to the world.—The origin and nature of evil; the Augustinian theory.
 v.2. The origin and nature of evil; the theory of negation or privation, the predominance of sense over spirit, the theory of free will.—The possibility of moral restoration.—The idea of the incarnation.—The idea of the atonement.—The kingdom of the spirit.—The future life.

FISHER, George Park.

- Manual of natural theology. 1893.....210 F53

FISKE, John.

- Through nature to God. 1899.....210 F54
Contents: The mystery of evil.—The cosmic roots of love and self-sacrifice.—The everlasting reality of religion.
 This little book is the natural sequel to two previous works of Mr Fiske—"The idea of God, as affected by modern knowledge," and "The destiny of man, viewed in the light of his origin." It seeks "to solve the tremendous mystery of evil so as to give man a fuller sense of his high calling and a firmer assurance of the infinite wisdom and benignity." It shows the range and power of love and self-sacrifice, and emphasizes the religious lesson which nature teaches.
 The second part is, with slight changes, the Phi Beta Kappa oration delivered at Harvard university, June, 1895. Its original title was "Ethics in the cosmic process."

GUYAU, Marie Jean.

- The non-religion of the future, a sociological study. 1897..210 G99
Contents: Religious physics.—Religious metaphysics.—Religious morals.

—Dogmatic faith.—Symbolic and moral faith.—Dissolution of religious morality.—Religion and non-religion among the people.—Religion and non-religion and the child.—Religion and non-religion among women.—The effect of religion and non-religion on population and the future of the race.—Religious individualism.—Association; the permanent element of religions in social life.—Theism.—Pantheism.—Idealism, materialism, monism.

HUTCHINSON, Woods.

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The author condenses many facts of the material and moral world, obtaining as a result a single general law of mutual antagonistic principles which he terms "the all pervading principle of polarity."

PALEY, William.

Natural theology; or, Evidences of the existence and attributes of the Deity. 1817.....r210 P18

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The same. 1830. (In his Works, v.1.).....208 P18 v.1

SEELEY, Sir John Robert.

Natural religion. 1886.....210 S45

TIELE, Cornelis Petrus.

Elements of the science of religion; being the Gifford lectures delivered before the University of Edinburgh in 1896 and 1898. 2v. 1897-99.....210 T45

v.1. Morphological. v.2. Ontological.

"Prof. Tiele is a strong believer in the doctrine that there are laws of development applicable to religion, and that they are special forms and conditions of laws which are applicable to the human mind in general. The whole object of his volumes, as he expressly states, is to show that between pure science and true religion nothing but perfect and abiding harmony can prevail." *Spectator*, 1899.

WALLACE, William.

Lectures and essays on natural theology and ethics; ed. by

Edward Caird. 1898.....210 W17

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211 Deism and atheism

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Secularism; its progress and its morals. 1894.....211 B62

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Idea of God as affected by modern knowledge. 1895.....211 F54

"Earnest contention that evolution culminating in man is absolutely inexplicable except as the expression of divine purpose....A feature of the discussion...is the justification of an anthropomorphic conception of God." *Andover review*, 1886.

FRASER, Alexander Campbell.

Philosophy of theism; being the Gifford lectures, 1st-2d ser.

2v. 1895-96.....211 F88

The same. 1899.....211 F88p

"The work on its first appearance (1895-96) made a profound impression as a masterly...vindication of the reasonableness of natural religion, and the few years that have passed since then have not suf-

efficiently altered the aspects of thought in the philosophical world, to make any reason why its arguments and its eloquence should be less cogent or less welcome to-day (1899)." *Spectator*, 1899.

HARRIS, Samuel.

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HOLYOAKE, George Jacob.

English secularism; a confession of belief. 1896.....211 H75

INGERSOLL, Robert Green.

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- v.1. The gods.—Humboldt.—Thomas Paine.—Individuality.—Heretics and heresies.—The ghosts.—The liberty of man, woman and child.—About farming in Illinois.—What must we do to be saved?
- v.2. Some mistakes of Moses.—Some reasons why.—Orthodoxy.—Myth and miracle.
- v.3. Shakespeare.—Robert Burns.—Abraham Lincoln.—Voltaire.—Liberty in literature.—The great infidels.—Which way?—About the Holy Bible.
- v.4. Why I am an agnostic.—The truth.—How to reform mankind.—A Thanksgiving sermon.—A lay sermon.—The foundations of faith.—Superstition.—The devil.—Progress.—What is religion?
- v.5. Six interviews on Talmage.—The Talmagian catechism.—A vindication of Thomas Paine.
- v.6. The Christian religion.—The Field-Ingersoll discussion.—Col. Ingersoll on Christianity.—Rome or reason?—Is divorce wrong?—Divorce.—Reply to Dr Lyman Abbott.—Reply to Archdeacon Farrar.—Is corporal punishment degrading?
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- Political morality.—A few reasons for doubting the inspiration of the Bible.
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- IVERACH, James.
Theism in the light of present science and philosophy.
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"The author defines his purpose as an attempt to trace that spirit which
'leads men on all occasions to subordinate dogmatic theology to the
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greatly to restrict its influence upon life'. . . The author traces the
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developments of rationalism; the spirit of persecution; the seculariza-
tion of politics; and the industrial history of rationalism." C. K.
Adams.
- MELLONE, Sydney Herbert.
Leaders of religious thought in the nineteenth century. 1902...211 M59
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mar of assent."—James Martineau.—What is religious experience?—
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The plan here adopted of discussions in the form of dialogues inter-
spersed with essays, enables the author to introduce the many differ-
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independence of thought.
- PAINE, Thomas.
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ology; ed. by M. D. Conway. 1899.....211 P16
"Paine's confession of faith is simple. He was an ardent Deist believing
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echoed unto this day. Its cause was partly horror, partly ignorance,
but chiefly fear." E. Sedgwick.
- PEARSON, Karl.
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KINSLEY, William W.

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"Science and prayer" has been published separately in the Chautauqua reading series.

LAING, Samuel.

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MORRIS, Herbert William.

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Study of origins; or, The problems of knowledge, of being and of duty. 1887.....215 P92

"I shall be truly happy if this book...do something to dispel the fatal misconception that science and conscience, liberty and religion, are incompatible." *Preface*.

ROMANES, George John.

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The two essays of Part I were written some time before 1889 but were not published before the author's death (1894). The "Notes" were among his unfinished papers. Show a tendency from a position of unbelief to one of belief in the Christian revelation.

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Interpretation of nature. 1893215 S52

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SHIELDS, Charles Woodruff.

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Life everlasting. 1901218 F541

The Ingersoll lecture on the immortality of man, Dec. 19, 1900.

The argument is on the lines of evolution, inferring from what man has already become that the logical next step in his progress is the attainment of the life everlasting.

HUDSON, Thomson Jay.

Scientific demonstration of the future life. 1895.....218 H88

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STEWART, Balfour, & Tait, P. G.

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WHEELER, Benjamin Ide.

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- Biblia sacra vulgatae editionis, Sixti V jussu recogn. et Clement VIII auctoritate edita, accedunt perpetui G. S. Menochii commentarii. 8v. 1755.....r220.4 B47
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- Holy Bible, containing the Old and New testaments.....r220.5 B47h
Sunday-school teacher's edition.
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List of manuscripts, v.1, p.39-64.
- Holy Bible translated from the Latin vulgate; the Old testament first published by the English college at Douay, 1609, and the New testament first published by the English college at Rheims, 1582. 1849.....220.4 H75
- Holy Bible, tr. out of the original tongues; being the version set forth in 1611 compared with the most ancient authorities and revised, 1881-1885; newly ed. by the American revision committee, 1901. 1901r220.5 B47ho
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- La santa Biblia, que contiene el Antiguo y el Nuevo testamento; version de Cipriano de Valera. 1878.....qr220.5 B47s
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Catalogue of books of reference, p.429-488.

General introduction to the study of Holy scripture; the principles, methods, history and results of its several departments and of the whole. 1899.....220.I B74g

CHADWICK, John White.

Bible of to-day. 1891220.I C34

CLARIDGE, Richard.

Tractatus hieroglyphicus; or, Treatise of the Holy scriptures. 1893220.I C51

FARRAR, Frederic William, dean, *and others.*

The Bible and the child. 1896.....220.I F25

GLADDEN, Washington.

Who wrote the Bible? 1898220.I G45

Gives in compact and popular form the principal facts on which scholars now generally agree concerning the literary history of the Bible.

LADD, George Trumbull.

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LIAS, John James.

Principles of biblical criticism. 1893.....220.I L68

RISHELL, Charles Wesley.

The higher criticism; an outline of modern biblical study.

1896220.1 R49

Written to furnish a concise answer to questions frequently asked concerning the higher criticism. Its province is not therefore to discuss and weigh, but to report the facts. Nevertheless, the careful reader will find the principles stated upon which the opponents of the critics proceed in their refutations." *Preface.*

SANDAY, William.

Inspiration; lectures on the history and origin of the doctrine

of biblical inspiration. 1896. (Bampton lectures.)220.1 S21

SAVAGE, Minot Judson.

Beliefs about the Bible. 1883.....220.1 S26

WILLIAMS, M. B.

Among many witnesses; a book for Bible students.

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ZENOS, Andrew Constantinides.

Elements of the higher criticism. 1895.....220.1 Z51

220.2 Concordances

CRUDEN, Alexander.

Complete concordance to the Old and New testaments.

1870.qr220.2 C89

STRONG, James, *comp.*

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YOUNG, Robert, 1822-1888, *comp.*

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DAVIS, John D. *comp.*

Dictionary of the Bible. 1898.....r220.3 D31

ENCYCLOPÆDIA biblica; a critical dictionary of the Bible;

ed. by T. K. Cheyne and J. S. Black. v.1-3. 1899-

1902qr220.3 E62

HASTINGS, James, & Selbie, J. A. *ed.*

Dictionary of the Bible, dealing with its language, literature and contents. v.1-4. 1898-1902.....qr220.3 H34

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in many respects should in other respects fall so far short of the ideal of a modern Bible Dictionary." *Nation*, 1898.

SMITH, Sir William, *comp.*

Dictionary of the Bible. 4v. 1890-94.....r220.3 S66

WINER, Georg Benedict, *comp.*

Biblisches realwörterbuch, zum handgebrauch für studierende, candidaten, gymnasiallehrer und prediger. 2v.

1847-48 r220.3 W78

220.5 History of the Bible

BEARDSLEE, John Walter.

Bible among the nations; a study of the great translations.

1899220.5 B34

BERGHAUER, Johann Thomas Adalbert.

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vieler jämmerlich-verfälschten Bibelen. 1746.....r220.5 B45

A satire on various Protestant translations of the Bible.

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KENYON, Frederic George.

Our Bible and the ancient manuscripts; a history of the text and its translations. 1898.....220.5 K19

Bibliography, p.281-283.

RANYARD, Mrs Ellen.

The book and its story; a narrative for the young. 1855..r220.5 R19

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The apocalypse of Baruch; tr. fr. the Syriac and ed. by R. H.

Charles. 1896229 B47a

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Assumption of Moses; tr. fr. the Latin 6th century ms., the unemended text of which is published herewith, with the text in its restored and critically emended form; ed. by

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to state all the facts thus gained with the utmost candor, sincerity
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v.3. St. Columba, the apostle of Caledonia.—St. Augustin of Canterbury and the Roman missionaries in England.—The Celtic monks and the Anglo-Saxons.—St. Wilfrid establishes Roman unity and the Benedictine order.

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- FISHER'S National magazine and industrial record, June,
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- Works; ed. by C. F. Adams. 10v. 1851-65.r308 A21
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- Volumes 2 and 3 are devoted to the autobiography, the debates in the constitutional convention, a dissertation on canon and feudal law, and the independence of the judiciary; volumes 4, 5 and 6 to a defence of the constitution, the discourses on Davila, and letters on government; volumes 7, 8 and 9 to official letters, messages and public papers; and volume 10 to correspondence. Contains a very complete index.

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- Patriotic addresses in America and England, from 1850 to 1885, on slavery, the Civil war and the development of civil liberty in the United States; ed. with a review of Beecher's personality and influence in public affairs, by J. R. Howard.
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- v.4. Speeches, 1841-1850, (including a speech on the slavery question).
- v.5. Reports and public letters, 1811-1846.
- v.6. Reports and public letters, (including chapters on state rights).

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First two, written in 1835-36, are the remarkable pamphlets which practically opened the career of the great English free trader, and contain the substance of his whole policy; "1793 and 1853" is a protest against the fear of a French invasion after the rise of the second empire; "What next—and next?" concerns the Crimean war; "Three panics" is on national defence.

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v.2. The boyhood and youth of Franklin.—Fourth of July at Lowell.—American manufactures.—Anecdotes of early local history.—The western railroad.—Anniversary of the settlement of Springfield.—The importance of the militia.—The 17th of June at Charlestown.—Harvard centennial anniversary.—The settlement of Dedham.—The cattle show at Danvers.—The Irish charitable society.—Improvements in prison discipline.—Superior and popular education.—The Boston schools.—The importance of the mechanic arts.—Reception of the Sauks and Foxes.—Dr Bowditch.—Fourth of July, 1838.—Education the nurture of the mind.—Festival at Exeter.—Accumulation, property, capital, credit.—Importance of education in a republic.—The settlement of Barnstable.—Normal schools.—Opening of the railroad to Springfield.—The Scots' charitable society.—John Lowell.—Dr Robinson's medal.—British association at Manchester.—University of Cambridge.—Royal agricultural society at Bristol.—Agricultural society at Waltham.—York minster.—Lord Mayor's day.—The geological society of London.—The Royal academy of art.—Royal literary fund.—The agricultural society at Derby.—Reception at Hereford.—Saffron Walden agricultural society.—Scientific association at Cambridge.—The Pilgrim fathers.—University education.—The new medical college.—The famine in Ireland.—Aid to the colleges.—Eulogy on John Quincy Adams.—The Cambridge high school.—Second speech on aid to the colleges.—American scientific association.—The departure of the Pilgrims.—Cattle show at Dedham.—The 19th of April at Concord.—The Bible.

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- v.4. The character of Washington.—Cattle-show at Springfield.—The New York state inebriate asylum.—Agricultural society at Danvers.—Minot's Ledge light-house.—Eulogy on Thomas Dowse.—Franklin the Boston boy.—William Hickling Prescott.—Henry Hallam.—Latin school prize declamation.—Power's statue of Webster.—Alexander von Humboldt.—Rufus Choate.—Daniel Webster.—Union meeting at Faneuil hall.—Washington Irving.—Eliot school-house.—Henry D. Gilpin.—American expedition to the Arctic sea.—Sanitary convention.—Vindication of American institutions.—Inauguration of President Felton.—Everett School-house.—Flag-raising in Chester square.—The call to arms.—Daniel Dewey Barnard.—The questions of the day.—"E pluribus unum."—Nathan Appleton.—Fiftieth anniversary of graduation.—The 12th Massachusetts regiment.—Agriculture as affected by the war.—Dinner to Prince Napoleon.—The causes and conduct of the Civil war.—Cornelius Conway Felton.—The Army of the Potomac.—Opportunities of Harvard students.—Female education.—The duty of crushing the rebellion.—The demand for reinforcements.—The Irish regiment.—Nathan Hale.—Inauguration of the Union club.—United States naval academy.—Harvard college in the war.—The education of the poor.—National cemetery at Gettysburg.—Aid to east Tennessee.—The navy in the war.—Russia and the United States.—Josiah Quincy.—The administration of President Quincy.—The duty of supporting the government.—The sailors' home.—Reception of Captain Winslow.—President Lincoln.—Massachusetts electoral college of 1864.—The relief of Savannah.

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v.2. Review of the causes of the revolution of 1688.—An account of the partition of Poland.—Sketch of the administration and fall of Struensee.—Statement of the case of Donna Maria da Gloria as a claimant to the crown of Portugal.—Character of Charles, first marquis Cornwallis.—Character of George Canning.—Preface to a reprint of the Edinburgh review of 1755.—On the writings of Machiavel.—Review of Mr Godwin's *Lives of Edward and John Philips, &c. &c.*—Review of Rogers's poems.—Review of Madame de Staël's "*De l'Allemagne*."—Discourse read at the opening of the Literary society of Bombay.

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v.2. Coleridge.—M. de Tocqueville on Democracy in America.—Bailey on Berkeley's theory of vision.—Michelet's History of France.—The claims of labor.—Guizot's essays and lectures on history.—Early Grecian history and legend.

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- Writings; including a collection of his public and private papers and correspondence now for the first time printed.
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- v.8. Lettre à M. d'Alembert, sur son article Genève, et sur le projet d'établir un théâtre de comédie dans cette ville.—Narcisse.—Les prisonniers de guerre.—Pygmalion.—L'engagement téméraire.—Les muses galantes.—Le devin du village.—La découverte du nouveau monde.—Fragments d'Iphis.—Fragments de Lucrèce.
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 and Mill school, and Darwin states (*Life*, 1. 68) that Malthus's essay
 first suggested to him the theory which in his hands made a famous
 epoch in modern thought...In his own time, Malthus's theory was ex-
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- JEFFERSON almanac, 1829. 1829.....r317.3 F879
Bound with Franklin almanac.
- LOOMIS'S magazine almanac, 1835-1836. v.1-2, in 1.....r317.3 W56
Almanac for 1835 contains a biographical sketch of Zadok Cramer, who set up his Pittsburgh press about 1800.
The almanac for 1836 is called Loomis's Pittsburgh almanac.
- NATIONAL almanac and annual record. 1863-64. v.1-2.....r317.3 N15
- 19TH CENTURY almanac; a complete calendar from 1800 to 1900, with the principal events in each expired year. 1884.r317.3 N36
- PITTSBURGH almanac, 1863-1875, 1879. 1862-78.....r317.3 P67
1863, published by J. P. Hunt; 1864-74, 1879, published by Henry Miner; 1875, published by S. C. Hill.
- PITTSBURGH leader almanac. v.2. 1873.....r317.3 P671
- PITTSBURGH magazine almanac, 1822-1824. v.10-12.....r317.3 F87
Bound with Franklin magazine almanac.
The almanac for 1824 is called the Pittsburgh almanac and is bound with Cramer's magazine almanac. r317.3 C86.
Contains stage roads leading from Pittsburgh, presiding justices of the courts, dates and places of the yearly meetings of Friends, etc.
- PITTSBURGH post almanac for 1896-date. v.1-date. 1896-dater317.3 P67a
None published for the years 1897, 1899 to 1901.
- PITTSBURGH press almanac. 1895-date.....r317.3 P67al
- TRIBUNE almanac comprehending the Politician's register and the Whig almanac, 1838-date. 1868-date.....r317.3 T73
- VIRGINIA almanac, 1823; calculated by Joshua Sharp. 1823r317.3 F879
- WEEKLY telegraph edition of the British almanac. 1898....r314.2 W42
- WESTERN farmer's almanac, 1827-1829, 1832-1834, 1836. v.1-3, 6-8, 10, in 1. 1827-35.....r317.3 W56
v.1 title page reads Farmers' & mechanics' almanac.
v.1-3 bound with Cramer's magazine almanac, r317.3 C86.
Curious lists of stage routes leading from Pittsburgh to Philadelphia, to Detroit, Buffalo, Morgantown, Wheeling, etc. Also annual lists of marriages and deaths in Pittsburgh.

- WHIG almanac and politician's register, 1845, 1847-1850, 1854.
 1844-53r317.3 W62
 WHITAKER'S almanack, 1870-date. v.2-date. 1869-date.....r314.2 W62
 WORLD almanac and encyclopedia, 1894-date. v.1-date.
 1894-dater317.3 W89

Statistics of the United States

- DISTURNELL, John, *comp.*
 United States register or blue book for 1862. 1861.....r317.3 D63
 GANNETT, Henry.
 Building of a nation; the growth, present condition and re-
 sources of the United States, with a forecast of the future.
 1894317.3 G16
 Mainly statistical. A miscellaneous collection of maps, diagrams, fig-
 ures and comparisons bearing upon the political, financial and indus-
 trial history of the United States.
 SCRIBNER'S statistical atlas of the United States, by F. W.
 Hewes and Henry Gannett. 1883.....qr317.3 S43
 SEYBERT, Adam.
 Statistical annals of the United States, founded on official
 documents, 1789-1818. 1818.....qr317.3 S51
 UNITED STATES—Statistics bureau.
 Statistical abstract of the United States, 1879-1899. no.2-
 22. 1880-1900.....r317.3 U25sta
 nos.2-8 will be found in the sheep bound set of congressional docu-
 ments, nos.1923, 1978, 2030, 2108, 2198 and 2392.

United States census reports

- UNITED STATES—Census office,
 Statistical view of the population of the United States from
 1790 to 1830; furnished in accordance with resolutions
 of 26th February, 1833, and 31st March, 1834. 1835. (23d
 cong. 1st sess. Senate. Doc.505.).....qr317.3 U25s
 UNITED STATES—Census office. (3d census: 1810.)
 Aggregate amount of each description of persons within the
 United States and the territories thereof, agreeably to act-
 ual enumeration made according to law, in 1810.
 1811qr317.3 U25c3
 Series of tables of the several branches of American manu-
 factures, exhibiting them in every county of the Union,
 so far as they are returned in the reports of the
 marshals, and of the secretaries of the territories in the
 year 1810; with returns of certain doubtful goods, pro-
 ductions of the soil and agricultural stock. [Compiled
 by Tench Coxe.] 1813.....qr317.3 U25c3s
 Forms the third part of a "Statement of the arts and manufactures of
 the United States."
 UNITED STATES—Census office. (4th census: 1820.)
 Census for 1820. 1821.....qr317.3 U25c4
 UNITED STATES—Census office. (5th census: 1830.)
 Fifth census; or, Enumeration of the inhabitants of the

United States, 1830; to which is prefixed a schedule of the whole number of persons within the several districts of the United States taken according to the acts of 1790, 1800, 1810, 1820. 1832.....qr317.3 U25c5

The above contains the three parts mentioned in the following:

"The printed results of the fifth census are contained in a large folio volume of 163 pages; but the report was so badly printed that it was republished the same year by direction of Congress under the immediate supervision of the Secretary of State. The two reports were bound together in one volume, and were preceded by a statement of the population of the several districts of the United States at the censuses of 1790, 1800, 1810, 1820, by counties, followed by a recapitulation by districts."

UNITED STATES—Census office. (6th census: 1840.)

Census of pensioners for Revolutionary or military services, with their names, ages and places of residence, as returned by the marshals of the several judicial districts, under the act for taking the sixth census. 1841...qr317.3 U25c6p

Compendium of the enumeration of the inhabitants and statistics of the United States, from the 6th census, with an abstract of each preceding census. 1841.....qr317.3 U25c6c

Sixth census; or, Enumeration of the inhabitants of the United States, as corrected at the Department of state in 1840. 1841.....qr317.3 U25c6

UNITED STATES—Census office. (7th census: 1850.)

Digest of the statistics of manufactures according to the returns of the seventh census. (35th cong. 2d sess. Senate. Ex. doc. no.39.).....r984

Mortality statistics of the 7th census of the United States, by J. D. B. De Bow. 1855.....r317.3 U25c7m

Report of the superintendent of the census for Dec. 1, 1852, and report for Dec. 1, 1851. 1853.....r317.3 U25c7r
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Seventh census of the United States. 1853.....qr317.3 U25c7

Statistical view of the United States; a compendium of the 7th census; comp. by J. D. B. De Bow. 1854.....r317.3 U25c7c

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[Final report of the 8th census.] 4v. 1864-66.....qr317.3 U25c8

v.1. Population of the United States in 1860.

v.2. Agriculture of the United States in 1860.

v.3. Manufactures of the United States in 1860.

v.4. Statistics of the United States (including mortality, property, etc.) in 1860.

Preliminary report on the 8th census, 1860, by J. C. G. Kennedy. 1862r317.3 U25c8p

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Compendium of the 9th census compiled under the direction of F. A. Walker. 1872.....r317.3 U25c9c

[Reports, final volumes.] 3v. 1872.....qr317.3 U25c9

v.1. Population and social statistics.

v.2. Vital statistics.

v.3. Wealth and industry.

Statistical atlas of the United States, based on the 9th census, 1870; comp. by F. A. Walker. 1874.....qr317.3 U25c9s

UNITED STATES—Census office. (10th census: 1880.)

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[Reports, final volumes.] 22v. 1883-88.....qr317.3 U25c10

Contents.

- AGRICULTURE.** Report on the productions of agriculture, embracing general statistics and monographs. v.3.
- ALASKA.** Report on the population, industries and resources of Alaska, by Ivan Petroff. In v.8.
- BUILDING STONES.** Report on the building stones of the United States, and statistics of the quarry industry for 1880. In v.10.
- CEREALS.** Report on the cereal production of the United States, by W. H. Brewer. In v.3, p.371-553.
- CHEMICALS.** Report on the manufacture of chemical products and salt, by W. L. Rowland. In v.2, p.985-1028.
- COAL.** Coals of the United States. In v.15, p.603-796.
- COKE.** Report on the manufacture of coke, by J. D. Weeks. In v.10.
- COTTON.** Report on the cotton manufacture of the United States, by Edward Atkinson. In v.2, p.937-957.
- Report on cotton production in the United States, by E. W. Hilgard. v.5-6.
- DEFECTIVE CLASSES.** Report on the defective, dependent and delinquent classes of the United States, by F. H. Wines. v.21.
- FACTORY SYSTEM.** Report on the factory system of the United States, by C. D. Wright. In v.2, p.527-610.
- FLOUR.** Report on flour-milling processes, by Knight Neftel. In v.3, p.555-582.
- FORESTS.** Report on the forests of North America (exclusive of Mexico), by C. S. Sargent. v.9 and portfolio of plates.
- GLASS.** Report on the manufacture of glass, by J. D. Weeks. In v.2, p.1029-1152.
- ICE industry of the United States,** by Henry Hall. In v.22.
- IRON.** Iron ores of the United States. In v.15, p.1-601.
- Statistics of the iron and steel production of the United States, compiled by J. M. Swank. In v.2, p.729-900.
- MACHINE TOOLS.** Report on machine tools and wood-working machinery, by F. R. Hutton. In v.22.
- MACHINERY.** Report on the manufacture of interchangeable mechanism, by C. H. Fitch. In v.2, p.611-704.
- Report on wool and silk machinery by Knight Neftel. In v.22.
- MANUFACTURES.** Report on the manufactures of the United States; general statistics and monographs. v.2.
- MARINE ENGINES.** Report on marine engines and steam vessels in the United States merchant service, by C. H. Fitch. In v.22.
- MEAT.** Report on cattle, sheep and swine; supplementary to enumeration of live stock on farms in 1880, by Clarence Gordon. In v.3, p.951-1116.
- MINING INDUSTRIES.** Report on the mining industries of the United States (exclusive of the precious metals), with special investigations into the iron resources of the republic, and as to the cretaceous coals of the Northwest, by Raphael Pumpelly. v.15.
- MINING LAWS.** United States mining laws and regulations, and state and territorial mining laws, with local mining rules and regulations. v.14.
- NEWSPAPERS.** History and present condition of the newspaper and periodical press of the United States, with a catalogue of the publications of the census year, by S. N. D. North. In v.8.
- PETROLEUM.** Report on the production, technology and uses of petroleum and its products, by S. F. Peckham. In v.10.
- POPULATION.** Statistics of the population of the United States. v.1.
- POWER.** Report on the statistics of steam- and water-power used in the manufacture of iron and steel during the year ending May 31, 1880, by Herman Hollerith. In v.22.
- Statistics of power used in manufactures, by Herman Hollerith. In v.2, p.487-525.
- PRECIOUS METALS.** Statistics and technology of the precious metals, by S. F. Emmons and G. F. Becker. v.13.
- PRICES.** Report on the average retail prices of the necessities of life in the United States, by J. D. Weeks. In v.20.
- PUMPS.** Report on steam pumps and pumping engines, by F. R. Hutton. In v.22.
- SEALS.** Report on the seal islands of Alaska, by H. W. Elliott. In v.8.
- SHIPBUILDING.** Report on the ship-building industry of the United States, by Henry Hall. In v.8.
- SILK.** Report on the silk manufacturing industry of the United States, by W. C. Wyckoff. In v.2, p.901-935.

- SOCIAL STATISTICS.** Report on social statistics of cities, by G. E. Waring. v.18-19.
- STEAM ENGINES.** Report on the manufacture of engines and boilers, with a review of the principal types of engines for manufacturing purposes, by C. H. Fitch. In v.22.
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- TOBACCO.** Report on the culture and curing of tobacco in the United States, by J. B. Killebrew. In v.3, p.583-950.
- TOOLS.** Report on the manufacture of hardware, cutlery and edge-tools, also saws and files, by C. H. Fitch. In v.2, p.705-727.
- TRADE UNIONS.** Report on trades societies in the United States, by J. D. Weeks. In v.20.
- TRANSPORTATION.** Report on the agencies of transportation, including the statistics of railroads, steam navigation, canals, telegraphs and telephones. v.4.
- VITAL STATISTICS.** Report on the mortality and vital statistics of the United States, by J. S. Billings. v.11-12 and portfolio of plates.
- WAGES.** Report on the statistics of wages in the manufacturing industries, by J. D. Weeks. In v.20.
- WATER-POWER.** Reports on the water-power of the United States; statistics of power and machinery employed in manufactures. v.16-17.
- WATER-SUPPLY.** Report on the water-supply of certain cities of the United States, by W. G. Elliot. In v.17, p.505-788.
- WEALTH.** Report on valuation, taxation and public indebtedness, by R. P. Porter. v.7.
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UNITED STATES—Census office. (11th census: 1890.)

Abstract of the eleventh census, 1890. 1896.....r317.3 U25c11a

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v.1-2. Report on the social statistics of cities in the United States.— Vital statistics of New York city and Brooklyn, covering a period of 6 years ending May 31, 1890.

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AGRICULTURE. Report on the statistics of agriculture in the United States. In v.11.

ALASKA. Report on population and resources of Alaska, by R. P. Porter. v.10.

BLIND. Report on the insane, feeble-minded, deaf and dumb, and blind, by J. S. Billings. v.21.

CHARITIES. Report on crime, pauperism and benevolence in the United States, by F. H. Wines. v.18-19.

CHEMICALS and allied products, by Henry Bower and Henry Pemberton. In v.16, p.275-308.

CHURCHES. Report on statistics of churches in the United States, by H. K. Carroll. v.7.

CLAY PRODUCTS. In v.16, p.505-541.

COKE, by J. D. Weeks. In v.16, p.343-356.

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EDUCATION. Report on education in the United States, by J. H. Blodgett. In v.9.

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- INDIANS. Report on Indians taxed and Indians not taxed in the United States (except Alaska). v.6.
- INSANE. Report on the insane, feeble-minded, deaf and dumb, and blind, by J. S. Billings. v.21.
- INSURANCE. Report on insurance business in the United States, by C. A. Jenney. v.4-5.
- IRON. Iron and steel manufacture, by W. M. Sweet.—Cast iron pipe industry.—Wrought iron and steel pipe.—Locomotives. In v.16, p.383-501.
- IRRIGATION. Report on agriculture by irrigation in the western part of the United States, by F. H. Newell. v.11.
- MANUFACTURES. Report on manufacturing industries in the United States. Pt.1. Totals for states and industries. Pt.2. Statistics of cities. Pt.3. Selected industries. v.14-16.
- MINERAL INDUSTRIES. Report on mineral industries in the United States, by D. T. Day. v.1.
- MORTGAGES. Report on real estate mortgages in the United States, by G. K. Holmes and J. S. Lord. v.17.
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- PAUPERISM. Report on crime, pauperism and benevolence in the United States, by F. H. Wines. v.18-19.
- PETROLEUM. Refining of petroleum, by J. D. Weeks. In v.16, p.359-373.
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- POPULATION. v.1-2.
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LECKY, William Edward Hartpole.

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"The title selected for this book does not give a very clear intimation of its contents, which embrace a discussion of the effect of universal suffrage on representative institutions and on liberty; the limits of State interference; Socialism and Socialist political economy; Church and State; popular education; woman suffrage; the eight-hour movement; divorce; Rousseau's theories; the Australian ballot; the referendum, and a host of other questions about which public interest is aroused in different parts of the world, and which together may be regarded as forming the network of problems affecting Liberty woven by the tireless loom of Democracy. On nothing which the author discusses does he fail to throw some light, often very brilliant. His clear and interesting style gives attraction to the driest topics, and his impartiality of manner disposes you to accept his verdict, even when it is directly opposed to all your preconceptions and prejudices." *Nation*, 1896.

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"A good book for the first elements of the subject. Written as letters to his son. From the standpoint of free trade and gold standard." *Bowker & Iles' "Reader's guide."*

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- First printed edition of an official almanac of the Roman Empire, which was compiled in ms. by some unknown person before 408 A.D. A work of great historical importance, full of interesting wood cuts by Andrea Alciati, printed by the celebrated German printer, Johann Froben, the friend of Erasmus.
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Reprinted from the 5th London edition.

In 1830 Earl Grey became premier, adopting for his policy peace, re-
trenchment and reform, and finally succeeding in passing the great
Reform bill of 1832. The "Reformed Parliament," which met in 1833,
abolished colonial slavery and the monopoly of the East India com-
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portant measures undertaken by this parliament, from the point of
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TYLER, Lyon Gardiner.

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352 Local government

ALLEGHENY, Pa.

Municipal reports for the year 1856-1857, 1859, 1872-1874,

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No reports of the city of Allegheny were printed before the one for 1856. The report for 1862 was not printed. The fiscal year ends with Dec. 31 until 1888, from which time it ends with Feb. 28. The report for 1888 covers 14 months, Jan. 1, 1888 to Feb. 28, 1889. Beginning with the report for 1865 the ordinances passed during the year are included.

Titles of the set of reports vary, the following being the titles of the complete set:

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ALLEGHENY, Pa. Charter.

Charter of the city of Allegheny, a collection of special acts of assembly and ordinances of the city, indexed; also the acts of assembly incorporating the borough and city of Allegheny, in operation previous to 1870; by

John C. McCombs. 1870.....r352 A42c

ALLEGHENY, Pa.—Public safety department.

Annual report (1st-2d, 5th) of the chief, and reports of bureaus of the department, for the year 1891-[1892,

1895]. 1892-96.....r352 A42a

The 2d report covers 14 months, Jan. 1, 1892 to Feb. 28, 1893. Subsequent reports are for the fiscal year ending Feb. 28, and are included in the Municipal reports, r352 A42.

BALTIMORE. Charter.

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Socialism and a municipal commonwealth. 1895.....r352 B25

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Glasgow is considered one of the best-governed cities in the world. This is an exhaustive description of the manner in which the city government is administered, and is full of suggestion and instruction for those interested in better municipal government in the United States.

BEMIS, Edward Webster, *ed.*

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A comprehensive survey, with suggestions for reform, by an ex-alderman of New York. Describes functions of each department, points out defects and draws instructive comparisons with European cities.

DEVLIN, Thomas C.

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DISTRICT OF COLUMBIA—Commissioners.

Annual report, 1874–date. 1874–date.....r352 D63

The reports for 1874–1878, 1881–1884 will be found in the sheep bound set of congressional documents, numbered respectively, 1641, 1682, 1751, 1802, 1852, 1913, 2021, 2103, 2193, 2290.

DOLMAN, Frederick.

Municipalities at work; municipal policy of six great English towns and its influence on their social welfare.

1895. (Social questions of to-day.).....352 D69

The towns are Birmingham, Manchester, Liverpool, Glasgow, Bradford, Leeds.

DUNLOP, James.

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Pennsylvania. pt.1. 1843.....r352 D92

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The government of municipalities. 1899.....352 E19

FAIRLIE, John Archibald.

Municipal administration. 1901352 F16

Part 1 is an historical survey of cities and municipal government, treating briefly of ancient and mediæval cities and more at length of the development during the nineteenth century. Part 2 discusses the active

- functions of municipal administration; part 3 deals with the problems of municipal finance; and part 4 with the various methods and problems of municipal organization, with special reference to recent tendencies and proposed reforms in American cities.
- FIELDE, Adele Marion.**
 Political primer of New York state and city. 1897352 F45
 Handbook explaining through questions and answers, the legislative, executive and judicial systems, political methods, rights and duties of citizens.
- FOOTE, Allen Ripley.**
 Municipal public service industries. 1899.....352 F74
Contents: How should the franchise question be settled?—Powers of municipalities.—Cost of service to users and taxpayers.
- FRANCISCO, M. J.**
 Municipal ownership vs. private corporations; with legal and editorial opinions, tables and costs of lights as furnished by private companies and municipal plants, with list of municipal plants that have been sold or abandoned; containing also a comparison of English and American gas and railway plants. 1898.....352 F87m
 Municipalities vs. private corporations; political and business management compared. 1900.....352 F87
 Opposed to municipal ownership.
- GLADDEN, Washington.**
 Cosmopolis city club. 1893.....352 G45
 First published in the *Century magazine*, v.23.
 Discusses problems of municipal reform and outlines in story form practical beginnings by a few public spirited citizens.
- GOMME, George Laurence.**
 London in the reign of Victoria, (1837-1897). 1898. (Victorian era series.).....352 G59
 After an interesting brief account of the London of 1837 the author considers the trade and commerce, industries, growth in population, street architecture, parks, education, London local government, and taxation, and gives some statistical tables concerning occupations, food supplies, railways, etc.
- GOODNOW, Frank Johnson.**
 Municipal home rule. 1895.....352 G62m
 Municipal problems. 1897.....352 G62
- GREEN, Mrs Alice Sophia Amelia (Stopford).**
 Town life in the 15th century. 2v. 1894.....352 G82
 The author was closely associated with her husband, the late J. R. Green, the historian, in all his work and was familiar with the material he had accumulated for future labors. She considers the different features of domestic and social life, the labor question, crafts and guilds, town councils, and pays particular attention to the contrasted fortunes of towns upon the royal demesne, and those on baronial or church estates.
- HARRISBURG LEAGUE FOR MUNICIPAL IMPROVEMENT.**
 Proposed municipal improvements for Harrisburg, Penn'a.; report of executive committee to the subscribers to fund for investigating municipal improvements, Nov. 21, 1901, embodying reports and recommendations of experts employed, including J. H. Fuertes, W. H. Manning and M. R. Sherrerd. 1901r352 H29
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- ment of a typical Prussian city, Halle, a/S. 1901. (Chicago university. Studies in political science.).....352 J16
- JENKS, Edward.
An outline of English local government. 1894. (University extension series.).....352 J25
- LONDON manual for 1899-1900; ed. by Robert Donald; containing the full text of the London government bill and an explanation of the constitution, &c., of the new London boroughs. [1899.].....r352 L82
- MEANS, David McGregor, (*pseud.* Henry Champernowne).
The boss; an essay upon the art of governing American cities. 1894352 M55
- MINNEAPOLIS.
Annual reports of the city officers for the year 1894, 1898-1901. 1895-1901r352 M72
- MUNICIPAL affairs; a quarterly magazine devoted to the consideration of city problems. v.1-date. 1897-date...r352 M96
- MUNICIPAL year book of the United Kingdom for 1897, 1899-date; ed. by Robert Donald. 1897-date.....r352 M967
Describes what may be called the constructive rather than the administrative work of the cities and towns of the United Kingdom, especially the supplying of water, gas and electricity, the management of tramways, the erection of artisans' dwellings and municipal lodging houses. Contains directory of town councils.
- NATIONAL CONFERENCE FOR GOOD CITY GOVERNMENT.
Proceedings of the conference (1st-date), Jan. 1894-date. 1894-dater352 N15
Proceedings of the 1st conference contain a Bibliography of municipal government and reform. Beginning with the proceedings of the 2d conference the Proceedings of the annual meeting of the National municipal league, are included.
Proceedings of the 4th conference contain a chapter on Municipal condition of Pittsburg, by G. W. Guthrie.
- NATIONAL MUNICIPAL LEAGUE.
A municipal program; report of a committee, adopted by the league, Nov. 17, 1899, together with explanatory and other papers. 1900.....352 N15
Contents: Municipal development in the United States, by J. A. Fairlie.—Municipal problem in the United States, by H. E. Deming.—The city in the United States; the proper scope of its activities, by Albert Shaw.—The place of the council and of the mayor in the organization of municipal government, by F. J. Goodnow.—Public accounting under the proposed municipal program, by L. S. Rowe.—The power to incur indebtedness under the proposed municipal program, by B. S. Coler.—Municipal franchises, by Charles Richardson.—Political parties and city government under the proposed municipal program, by F. J. Goodnow.—Public opinion and city government under the proposed municipal program, by H. E. Deming.—A summary of the program, by L. S. Rowe.—Proposed constitutional amendments. — Proposed municipal corporations act.—An examination of the proposed municipal program, by D. F. Wilcox.
- ODGERS, William Blake.
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PARSONS. Frank.

The city for the people; or, The municipalization of the city government and of local franchises. 1900.....r352 P26

PHILADELPHIA—Mayor.

Fourth annual message, Edwin H. Fitler, mayor, with Annual report of the Department of public safety and Annual report of the Board of health for the year 1890.

1891r352 P49

PITTSBURGH—Controller.

Report of the city controller for the year ending Jan. 31, 1871—date. 1872—date.....r352 P67r

The report for the year ending Jan. 31, 1871 was the first to be printed separately. Before that date, beginning with 1858, the report will be found in the appendix to the yearly issue of the ordinances.

PITTSBURGH. Ordinances.

By-laws and ordinances of the city of Pittsburgh, and the acts of Assembly relating thereto; with notes and references to judicial decisions thereon, and an appendix, relating to several subjects connected with the laws and police of the city corporation. 1828.....r352 P67b

Ordinances passed by councils since the 25th day of August, 1828 [Dec. 3, 1828—Feb. 23, 1829].....r352 P67b

Ordinances passed by councils since the 23d day of February, 1829 [June 25, 1829—May 31, 1830].....r352 P67b

Ordinances passed by councils since the 31st day of May, 1830 [Aug. 2, 1830—May 27, 1833].....r352 P67b

The three supplements are bound with the volume printed in 1828.

Digest of ordinances of the city of Pittsburgh; to which is prefixed a collection of the acts of Assembly relating to the corporation. 1849.....r352 P67b4
Title-page, p.1-10, 127-129, 353, missing.

Ordinances passed by the select and common councils, Jan. 15, 1849—Dec. 31, 1869, with the financial reports of the city and reports of city officers for 1849-1869. [20v. in 3.] 1850-70.....r352 P67b5
Publication of the ordinances in this form was discontinued with the issue for 1869, as they appear in the Municipal record.
Title pages vary.

Digest of acts of Assembly, the codified ordinance of the city of Pittsburgh adopted Oct. 6, 1859, and a digest of other ordinances now in force; comp. by A. W. Foster. 1860.r352 P67b6

Digest of the acts of Assembly and a code of the ordinances of the city, with an appendix containing ordinances and references to acts and ordinances remaining in force; prepared by J. F. Slagle. 1869.....r352 P67b7

Digest of the acts of Assembly relating to, and the general ordinances of the city, from 1804 to Sept. 1, 1886, with references to decisions thereon; prepared by W. W. Thomson. 1887.....r352 P67b8

Same, from 1804 to Jan. 1, 1897, with reference to decisions thereon. 1897.....r352 P67b9

PITTSBURGH—Public safety department.

Annual report (1st-12th) of the chief, and reports of the

bureaus of the department, for the year ending Jan. 31,
1889-1900. 1889-1900.....r352 P674
Reports for 1900/01 and 1901/02 have not been printed.

SHAW, Albert.

Municipal government in continental Europe. 1895.....352 S53m

Contents: Paris, the typical modern city.—The French municipal system.—The systems of Belgium, Holland and Spain.—Recent progress of Italian cities.—The framework of German city government.—Municipal functions in Germany.—The free city of Hamburg and its sanitary reforms.—The transformation of Vienna.—Budapest, the rise of a new metropolis.—APPENDICES: The budget of Paris, The budget of Berlin, The French municipal code.

Municipal government in Great Britain. 1895.....352 S53

"Gives a good description of municipal government in Great Britain at the present time...Apart from its comparison of English with American conditions, and apart from the evident desire to apply the English system to American conditions, the book is deserving of great praise." *F. J. Goodnow in Political science quarterly*, 1895.

SHERMAN, Philemon Tecumseh.

Inside the machine; two years in the Board of aldermen, 1898-1899; a study of the legislative features of the city government of New York city under the Greater New York charter. 1901

352 S55
The author, a son of General W. T. Sherman, was elected in 1897 on the Citizens' Union ticket to represent the "Tenderloin" district in the Board of aldermen. The unique surroundings and associations into which he was thus thrown appealed to his sense of humor, while the manifold evils of the municipal government system under the present charter invited his caustic analysis. This book is the result.

STALLARD, Joshua Harrison.

Problem of municipal government as illustrated by the municipal government of San Francisco. 1897r352 S78
Reprinted from the *Overland monthly*, Jan.-May, 1897.

STRONG, Josiah.

The twentieth century city. 1898.....352 S92

Contents: The materialism of modern civilization.—A nation of cities.—The materialistic city a menace to itself.—The materialistic city a menace to state and nation.—Remedies; the new patriotism; twentieth century Christianity; twentieth century churches; practical suggestions.

Dr Strong thinks the greatest peril of modern civilization is its materialism, and as the movement of population is towards the cities, it is in the cities of the twentieth century that this danger must be met.

TIEDEMAN, Christopher Gustavus.

Treatise on the law of municipal corporations in the United States. 1900.....r352 T44

WEBB, Sidney James.

The London programme. 1891. (Social science series.).....352 W36

"'The London Programme' is...commonly understood as the name for the series of proposals for metropolitan reform which have been pressed forward by the London Radical members since the year 1888." The book describes the most important of these reforms in the administration of the city.

WHELEN, Frederick.

London government. 1898.....352 W59

WHITE, Arnold.

The problems of a great city. 1887.....352 W63

WILCOX, Delos Franklin.

The study of city government. 1897.....352 W71
List of authorities, p.245-248.

WISCONSIN UNIVERSITY.

Mayor vs. council; should a system of municipal government concentrating all executive and administrative powers in the mayor, be adopted in cities of the United States? twenty-seventh annual joint debate [between the Athenæ and Philomathia societies]. 1897.....r352 S78
Bibliography, p.95-103.

Bound with Stallard's Problem of municipal government.

BIRMINGHAM, England.

General and detailed financial statement for the year 1870—

date. 1871—date.....qr352.1 B48

Until and including 1889 the year ends Dec. 31; the following issue covers 3 months only, Jan.—March 1890, after which time the fiscal year ends March 31.

Binder's title reads Blue book.

DURAND, Edward Dana.

The finances of New York city. 1898.....352.1 D93

Part 1 is devoted to a history of the finances from early Dutch times (1652), through the era of the Tweed ring and the period of reconstruction. In part 2 is considered in detail the working of the present financial system, beginning with the charter of 1873. Financial statements of fact are based on official records.

352.2 Police

COSTELLO, Augustine E.

History of the fire and police departments of Minneapolis; their origin, progress and development. 1890.....r352.2 C83

MANN, Henry, *ed.*

Our police; a history of the Pittsburgh police force under town and city. 1889.....r352.2 M33

NEW YORK (state)—Lexow committee.

Report and proceedings of the senate committee appointed to investigate the police department of the city of New York.

5v. 1895.....r352.2 N26

Called the Lexow committee from the name of the chairman.

STEAD, William Thomas.

Satan's invisible world displayed. 1897.....352.2 S79

Claims to give the gist of the evidence taken before the Lexow committee, in 1894-95.

352.3 Fire department

ALLEGHENY, Pa.—Fire department.

History of the Allegheny fire departmentqr352.3 A42

DAWSON, Charles T. *ed.*

Our firemen; the history of the Pittsburgh fire department,

[to 1889]. 1889.....r352.2 M33

Bound with Mann's Our police.

HILL, Charles Thaxter.

Fighting a fire. 1897.....352.3 H55

Contents: Fighting a fire.—A school for firemen.—An alarm of fire by telegraph.—The risks of a fireman's life.—Peter Spots, fireman.—Floating fire-engines.—The fire patrol.

These chapters appeared in St. Nicholas, July 1896—Oct. 1897.

Describes the workings of the New York city fire department.

The same. 1897.....j352.3 H55

PITTSBURGH—Fire commission.

Annual report (1st-7th, 16th) of the Board of fire commissioners, May 5, 1870-Jan. 1, 1877, Jan. 1, 1886-Jan. 31, 1887. 1871-87.....r352.3 P674r

PITTSBURGH—Public safety department.

Annual reports of the Bureau of fire, Bureau of electricity, Firemen's disability board, and Board of fire escapes, for the year 1893-1894, 1896. 1894-97.....r352.3 P674
These reports may also be found in the Annual report of the Department of public safety.

352.4 Public health

NASHVILLE, Tenn.—Health board.

Report (2d), for the year ending July 4, 1877. 1877.....r352.4 N14

PITTSBURGH—Health bureau.

Annual report for the year 1873, 1880-1-2-3-4-5-6, 1880-1887, 1888-1899. 1873-1900.....r352.4 P67a
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Manual of laws, and rules and regulations relating to the public health, and the construction and inspection of plumbing and house drainage. 1895.....r352.4 P67r

PITTSBURGH—Public safety department.

Code of laws and manual governing the Bureau of health, 1889. [1889.].....r352.4 P67c

352.5-352.7 Public works

ALLEGHENY, Pa.—Public works department.

Report, April 6, 1891-Feb. 28, 1893. 2v. 1892-93.....r352.5 A42r

CHICAGO—Public works department.

Mayor's annual message and the annual report (22d, 25th-26th) of the department, 1897, 1900-1901. 1898-1902....r352.5 C43

PITTSBURGH—Public works department.

Annual report of the department for the year 1889-1898, [Feb. 1, 1889-Jan. 31, 1899]. 1890-99.....r352.5 P67
Reports for the years 1900 and 1901 have not been printed.

BOSTON—Water commission.

Annual report (5th), for the year ending Jan. 31, 1900. 1900.r352.6 B64

MASSACHUSETTS—Metropolitan sewerage commission.

Annual report (8th, 10th), for the year ending Sept. 30, 1896, 1898. 1897-99.....r352.6 M455r

Report upon a high-level gravity sewer for the relief of the Charles and Neponset river valleys; resolves of 1898, chapter 4. 1899.....r352.6 M455r

MASSACHUSETTS—Metropolitan water board.

Annual report (4th), 1898. 1899.....r352.6 M45

NEW YORK (city), MERCHANTS' ASSOCIATION.

Inquiry into the conditions relating to the water-supply of the city of New York. 1900.....r352.6 N26

PITTSBURGH—Board of examiners and hydraulic engineers.

Pittsburgh new waterworks; report [to city councils] of the Board of examiners and hydraulic engineers [E. S. Chesborough and Moses Lane] with estimates of cost of work, submitted March, 1871. 1871.....r352.6 P67

One of the 100 copies which contain the map entitled: "Pittsburgh new water works. 1871. Map of the city of Pittsburgh, showing proposed location of pumping works, reservoirs, force mains & distribution mains. Scale 4 inches equal one mile."

The Library contains also one of the copies issued without the map. This is bound with Roberts' Report on the new water works, r352.6 R53.

ROBERTS, William Milnor.

Report [to the finance committee] on the new water works of the city of Pittsburgh. Feb. 19, 1874. 1874. (Pittsburgh—Councils.).r352.6 R53

Report made in accordance with resolution of councils, passed Dec. 8, 1873: "That the Finance committee are hereby instructed...to employ a competent engineer...to measure and estimate all work done, and material furnished, and report to Councils, whether the same corresponds with the money expended."

BOSTON—Street department.

Annual report of the Street department for the year 1899, 1900. 1900.....r352.7 B64

NEW YORK (city)—Street cleaning department.

Report, 1900. 1900r352.7 N26
For Col. Waring's report of the work of the department, 1895-97, see 628.4 W220.

PITTSBURGH—Highways and sewers bureau.

Official hand book; compendium and historical sketch, Bureau of highways and sewers; ed. for the bureau by J. M. Kelly. 1898.....r352.7 P67

353 United States government

For Constitutional law and history of the United States, see 342.7

AUSTIN, Oscar Phelps.

Uncle Sam's secrets; a story of national affairs.....j353 A93
"Much interesting information about currency, the mint, railway postal service, foreign mail, banking and revenue systems, etc., conveyed in a stiff and unreal story."

BARTLETT, William H.

Facts I ought to know about the government of my country. 1894.....353 B27
"Reference books," p.157-158.
"Aim of the writer has been to prepare such a work as an American father might wish to place in the hands of his son, or an American teacher in the hands of his pupils, to serve as the basis of a complete knowledge of the facts and principles of the government of the United States." *Preface.*

BROOKS, Noah.

How the Republic is governed. 1895.....353 B77
Describes briefly the legislative, executive and judiciary systems of the United States, the official business methods, and regulation of rev-

- enues, coinage, pensions, suffrage, public lands, etc.
The same. 1897.....rj353 B77
- DAWES, Anna Laurens.
 How we are governed; an explanation of the constitution
 and government of the United States. 1896.....j353 D32
The same. 1896.....rj353 D32
- GILLET, Ransom H.
 Federal government; its officers and their duties. 1871.....353 G41
- JAMES, James Alton, & Sanford, A. H.
 Government in state and nation. 1902353 J16
 "Reference books," p.375-378.
- MASON, Edward Campbell.
 Veto power; its origin, development and function in the
 government of the United States, (1789-1889); ed. by
 A. B. Hart. 1891. (Harvard historical monographs)...353 M44
 Bibliography, p.219-221.
- MOWRY, William Augustus.
 Elements of civil government; local, state and national; a
 course for schools. 1898.....j353 M94
- PEYTON, Balie.
 Speech upon the resolution of Mr Wise, proposing a select
 committee of investigation of the executive departments,
 and Mr Pearce's amendment to the same; delivered in the
 House of representatives, Dec. 15, 1836. 1836.....r353 P47
- STRONG, Frank, & Schafer, Joseph.
 The government of the American people. 1901.....353 S92
Contents: Township and county government.—City government.—State
 government.—Origin of the national government.—The national gov-
 ernment.
- UNITED STATES—Covode committee.
 Covode investigation; report of the committee appointed
 to investigate charges that improper means had been
 used by President Buchanan to influence the action of
 Congress on the Lecompton bill, &c. 1860. (36th cong.
 1st sess. House. Doc. no.648.).....r353 U253
- UNITED STATES—Executive departments, Committee to
 investigate.
 Journal [and reports] of the select committee to investigate
 the executive departments. 1837.....r353 P47
 Bound with other pamphlets.
- UNITED STATES—President.
 Compilation of the messages and papers of the presidents,
 1789-1897, by J. D. Richardson. 10v. 1896-99.....r353 U25
 v.10 contains a full index, and gives historical synopses of topics in-
 dexed.
- Veto messages of the presidents from Washington to Cleve-
 land, with the action of Congress thereon; comp. by B. P.
 Poore. 1886. (49th cong. 2d sess. Senate. Mis. doc.
 no.53.).....r2451
- WHITNEY, Reuben M.
 Protest against the proceedings of the select committee of the
 House of representatives to investigate the executive
 departments, Jan. 25, 1837. 1837.....r353 P47
 Bound with Peyton's Speech upon the resolution of Mr Wise.

353.1 State department

MICHAEL, William Henry.

History of the Department of state of the United States; its formation and duties, together with biographies of its present officers and secretaries from the beginning. 1901.

(United States—State department.).....r353.1 M66

UNITED STATES—State department.

Register, 1887-1888, 1892, 1893, 1897. 1888-97.....r353.1 U25

353.2 Treasury department

MAYO, Robert.

Synopsis of the commercial and revenue system of the United States as developed by instructions and decisions of the Treasury department for the administration of the revenue laws, with supplement. 2v. 1847..qr353.2 M54
Title of the supplement reads, "Treasury department and its fiscal bureaus; their origin, organization and practical operations illustrated.

UNITED STATES—Comptroller of the treasury, Office of.

Decisions, [Oct. 1, 1894-date]. v.1-date. 1896-date.

(Treasury department.).....r353.2 U25

Digest of decisions of the Second comptroller of the treasury. v.4. 1899. (Treasury department.).....r353.2 U25d

The office of Second comptroller was abolished by act of July 31, 1894, and his duties transferred to the First comptroller who became Comptroller of the treasury.

UNITED STATES—Customs division.

Digest of decisions of the Treasury department and of the Board of U. S. general appraisers under tariff acts of 1883, 1890, 1894 and 1897, rendered during 1898-1900. 1901..r353.2 U253d

UNITED STATES—Treasury department.

Synopsis of the decisions of the department on the construction of the tariff, navigation, and other laws for 1880.

1881r353.2 U253s

353.3 Interior department

UNITED STATES—Abstracted Indian trust bonds committee.

Report of the select committee to inquire into and report the facts in relation to the fraudulent abstraction of certain bonds held by the government in trust for the Indian tribes from the Department of the interior. 1861.

(36th cong. 2d sess. House. Doc. no.78.).....r353.3 U253

UNITED STATES—Interior department.

Annual register, containing a list of the persons employed in the department, 1877, 1883. 1877-83.....r353.3 U25a

Annual report of the secretary of the interior, 1849-date.

1849-dater353.3 U25

pts.2-3 of the report for 1890 are wanting.

A part of the report for 1851 is bound with the report of the secretary of the navy for 1851. r353.7 U25.

The reports of the Geological survey (qr557.3 U25a), the commissioner

of education (r379.7 U25), the Department of labor (r331 U25an) and the Land office report (r336.1 U25de), which form part of this report are catalogued separately.

A list of the bureaus, &c., whose reports are made to the secretary of the interior and are, therefore, included in his report, will be found on p.146 of the Document check list, 1895. This is kept at the reference desk.

List of books, reports, documents and pamphlets, printed or published by this department from 1789 to 1881. 1882. (47th cong. 1st sess. Senate. Ex. doc. no. 182.).....r1991.

353.4 Post-office department

DORSEY, John W. *and others.*

Proceedings in the trial of the case of the United States vs.

J. W. Dorsey, J. R. Miner and others for conspiracy. 3v.

1882r353.4 D74

Binder's title reads "Record of the star route trials."

NEWCOMB, Harry Turner.

Postal deficit; an examination of some of the legislative and administrative aspects of a great state industry. 1900.....353.4 N26

UNITED STATES—Post-office and post-roads committee.

Report on the condition of the Post-office department, presented June 9th, 1834. 1834. (23d cong. 1st sess. Senate. Doc. no.422.).....r353.4 G94

Bound with other pamphlets.

UNITED STATES—Post-office department.

Annual report of the postmaster-general, 1837-1842, 1847-1849,

1851, 1853-date. 1848-date.....r353.4 U25a

Report for 1877 wanting.

Report for 1849 is bound with the report of the secretary of war for 1849, r353.6 U25.

Report for 1851 is bound with the report of the secretary of the navy for 1851, r353.7 U25.

Reports for 1837-42, 1853-54, 1856, 1859, 1862-63, 1865-67, 1869, 1872 and 1876 will be found in the sheep bound set of congressional documents, numbered respectively, 321, 344, 363, 375, 401, 418, 712, 778, 894, 1025, 1159, 1184, 1254, 1286, 1327, 1411, 1562 and 1748.

Official postal guide, Jan. 1895, Jan. 1897, Jan. 1899, Jan.

1901-date. 1895-date.....r353.4 U25

Postal laws and regulations of the United States. 1887. (50th

cong. 1st sess. House. Mis. doc. no.63.)r353.4 U25p2

The same. 1893. (52d cong. 2d sess. House. Mis. doc. no.

90.)r353.4 U25p

353.5 Judiciary department

CARSON, Hampton Lawrence.

Supreme court of the United States; its history and its cen-

tennial celebration, Feb. 4th, 1890. 2v. 1891.....qr353.5 C23

Published under the direction and authority of the Judiciary centennial committee of the New York state bar association.

The same; supplement. pt.1. 1892.....qr353.5 C23 v.3

pt.1. George Shiras, jr.

GARLAND, A.H.

Experience in the Supreme court of the United States;

with some reflections and suggestions as to that tri-

bunal. 1898.353.5 G18

UNITED STATES—Congress, 7th, 1st sess.

Debates in the Congress of the United States on the bill for repealing the law "for the more convenient organization of the courts of the United States," during the first session of the seventh congress, [Jan. 4–Mar. 3, 1802].

1802r353.5 U25

UNITED STATES—Justice, Department of.

- Annual report of the attorney-general for the year 1870–date. 1870–date.....r353.5 U253a

Reports for years 1870–1873, 1875–1879, 1881–1883 will be found in sheep bound set of congressional documents, numbered respectively, 1454, 1510, 1545, 1606, 1686, 1751, 1802, 1852, 1913, 1986, 2103 and 2193.

Digest of the official opinions of the attorneys-general, comprising all of the published opinions contained in v.1–16 inclusive, and embracing the period from 1789 to 1881; prepared by A. J. Bentley. 1885.....r353.5 U253d

Official opinions of the attorneys-general of the United States, advising the president and the heads of departments in relation to their official duties, and expounding the constitution, treaties, and the public laws of the country. v.17–date. 1891–date.....r353.5 U253

Opinions of the attorneys-general giving construction to public laws not of a temporary character, 1789 to March 1, 1841. 1841. (26th cong. 2d sess. House. Ex. doc. no.123.).....r353.5 U253o

Register of the Department of justice and the judicial officers of the United States, corrected to Sept. 1, 1874. 1874.....r353.5 U253a

353.6 War department

GARDNER, Charles K. *comp.*

Dictionary of all officers who have been commissioned or appointed and served in the army of the United States, 1789–1853. 1853.....r353.6 G18

HEITMAN, Francis Bernard, *comp.*

Historical register of the officers of the Continental army. 1893.qr353.6 H42b

Historical register of the United States army from its organization, 1789 to 1889. 1890.....qr353.6 H42

LIEBER, Guido Norman.

Remarks on the army regulations and executive regulations in general. 1898.....r353.6 L69

POWELL, William Henry, *comp.*

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Embraces a register of all appointments by the president in the volunteer service during the Civil war, and of the volunteer officers in the service June 1, 1900.

Published by L. R. Hamersly & co., New York.

RODENBOUGH, Theophilus Francis, *comp.*

From everglade to cañon with the Second dragoons, (2d

- United States cavalry); an account of services in Florida, Mexico, Virginia, and the Indian country, 1836-1875. 1875.....r353.6 R58
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The army of the United States; historical sketches of staff and line, [1789-1895]. 1896.....r353.6 R58
- UNITED STATES—Adjutant-general's office.
Official army register, 1882-1883, 1896-date. 1882-date...r353.6 U250
Official register of officers of volunteers in the service of the United States, organized under the act of Mar. 2, 1899.
1900r353.6 U253a
- UNITED STATES—House—24th cong.
Resolutions, laws and ordinances relating to pay, half pay, and other promises made by Congress to the officers and soldiers of the Revolution; to the settlement of the accounts between the United States and the several states and to funding the Revolutionary debt. 1838.....r353.6 U253
Binder's title reads "Revolutionary claims."
- UNITED STATES—Judge-advocate-general.
Digest of opinions of the judge-advocates general of the army; originally compiled by W. Winthrop, revised ed. (including opinions to Jan. 1, 1901), by Charles McClure. 1901. (War department. Doc.no.137.)r353.6 U253a
- UNITED STATES—Surgeon-general's office.
Circular. no.5-7. 1866-67.....qr353.6 U2533
no.5. Report on epidemic cholera in the army of the United States, during the year 1866.
no.6. Reports on the extent and nature of the materials available for the preparation of a medical and surgical history of the Rebellion.
no.7. Report on amputations at the hip-joint in military surgery.
Drill regulations and outlines of first aid, for the hospital corps, United States army. 1900.....r353.6 U25d
- UNITED STATES—War department.
Annual reports of the War department, 1837-1843, 1847-1849, 1851-date. 1838-date.....r353.6 U25
Before 1898 this report was called Annual report of the secretary of war. v.2,3 and, from 1875 to 1891, v.4 have been classified and catalogued separately, as follows: v.2, report of the chief of engineers (qr627U253); v.3, report of the chief of ordnance (r623.4 U251), v.4, report of the chief signal officer (r551.5 U253).
Before 1875 the report of the chief of ordnance was included in v.1.
Before 1875 and since 1892 the report of the chief signal officer is also in v.1.
Reports for 1837-43, 1848, 1856, 1863 & 1874 will be found in the sheep bound set of congressional documents, numbered respectively, 321, 338, 363, 375, 401, 418, 537, 894, 1184, 1635.
- Medals of honor issued by the department up to and including Oct. 31, 1897; with the laws, orders and regulations relative to the medal, the ribbon to be worn with the medal and the knot to be worn in lieu of the medal.
1897qr353.6 U25m
- The military laws of the United States, prepared by George B. Davis. 1897.....r353.6 U25mia
The same; appendix containing legislation subsequent to March 4, 1897, and including May 18, 1898. 1898...r353.6 U25mi3
The same. Ed.4. 1901.....r353.6 U25mi

353.7 Navy department

CALLAHAN, Edward William, *ed.*

List of officers of the navy of the United States and of the
marine corps, from 1775 to 1900; compiled from official
records. 1901r353.7 C13
Published by L. R. Hamersly & co., New York.

HAMERSLY, Lewis Randolph, *comp.*

Records of living officers of the U. S. navy and marine corps.
1902 qr353.7 H19

KELLEY, James Douglas Jerrold.

Our navy, its growth and achievements. 1897.....qr353.7 K16

MICHAEL, William Henry, *comp.*

United States laws relating to the navy, marine corps, etc.;
comp. from the revised statutes and subsequent acts of
June 17, 1898, with a digest of the decisions of the courts
and opinions of the attorneys-general. 1898.....r353.7 M66

UNITED STATES—Naval contracts and naval expenditures
committee.

Report, with testimony. (35th cong. 2d sess. House.
Doc. no.184.).....r353.7 U253

This committee was appointed to investigate the management of the
Brooklyn and Philadelphia navy yards, the purchase of anthracite
coal for the navy and the contracts made in 1857 and 1858 for live-
oak for the navy.

UNITED STATES—Navigation bureau. (Navy department.)

List and station of the commissioned and warrant officers
of the navy and of the marine corps, 1898-1903. 6v.
1898-1903.r353.7 U2534

UNITED STATES—Navy department.

Register of the commissioned and warrant officers of the navy
and of the marine corps, 1867, 1895-date. 1867-date.....r353.7 U25r
Register for 1898-date is bound with the army register for the same year,
r353.6 U250.

Report of the secretary of the navy, 1837-1842, 1847-1849,
1851-date. 1837-date r353.7 U25

Reports for 1849 and 1852 are bound with the reports of the secretary of
war for the corresponding years. r353.6 U25.

Reports for 1837-42, 1848, 1853, 1859, 1866-67, 1869, 1871-72, 1876 will
be found in the sheep bound set of congressional documents, numbered
respectively, 321, 338, 363, 375, 401, 537, 712, 1025, 1286, 1327,
1411, 1507, 1562 and 1748.

353.9 State government

New York

NEW YORK (state)—Adjutant-general's office.

Annual report of the adjutant-general, for the year ending
Dec. 31, 1867. 3v. 1868.....r353.9 N26a
v.2-3. Register of officers commissioned in the volunteer regiments
from N. Y., 1861-1865.

New York in the Spanish-American war, 1898. 3v. 1900.. r353.9 N26
Being part of the Report of the adjutant-general for 1900.

ROBERTS, James A. *ed.*

New York in the Revolution as colony and state; records

discovered, arranged and classified in 1895-1898.

1898qr353.9 R53
Gives the names, rank and organization of the men furnished by New York during the Revolution. These are taken from the original muster and pay-rolls in the state archives, and show that New York furnished a much larger quota than she is generally credited with, previous lists taken from other than original sources being very incomplete.

Ohio

OHIO—State department.

Annual report of the secretary of state, including the statistical report to the General assembly for the year ending Nov. 15, 1872-1873, 1875, 1878-1879. 1873-80.....r353.9 O18a

Report for 1875 contains a list of members and officers of the several constitutional conventions and general assemblies, with abstract of votes for governor at each election since the organization of the state government.

Report for 1878 contains a list of Ohio territorial and state governors from 1788 to 1880, and senators and representatives in Congress from 1789 to 1881.

Pennsylvania

PENNSYLVANIA—Adjutant general.

Annual report, 1863-date. 1864-date.....r353.9 P3996

The report for 1874 will be found in the Executive documents, 1874, r328.74 P39e.

The reports for 1867, 1872-1873 are wanting.

The report for 1866 contains rosters of field and staff of regiments and of officers of unattached companies and independent batteries.

PENNSYLVANIA—Attorney general.

Report, for the year ending Dec. 31, 1887-date. 1889-date.r353.9 P39a

PENNSYLVANIA—Electoral college.

Proceedings, Dec. 2, 1840. 1840.....r353.9 N24

Bound with other pamphlets.

Another copy is bound with other pamphlets and marked, r974.8 B48.

The same, Dec. 4-5, 1844. 1844.....r327 U2533

Bound with other pamphlets.

PENNSYLVANIA—Governor. (J. A. Beaver.)

Message to the General assembly, Jan. 1, 1889. 1889....r353.9 P39g

Contains the report of the secretary of the commonwealth, Jan. 18, 1887 to Dec. 19, 1888.

PENNSYLVANIA—House of representatives.

Report of the majority and minority of the select committee appointed to inquire into the charge of bribery preferred against Daniel M'Cook. 1846.....r353.9 N24

Bound with other pamphlets.

PENNSYLVANIA—Internal affairs department.

Annual report of the secretary for the year ending Nov. 30, 1879-date; pt.1, Land office, boundary lines, state weather service; pt.2, Assessments and taxes. 1880-date.r353.9 P3998

Early reports include reports on the Land office and assessments only.

1896 is the last year for which the Weather bureau issued a report.

pt.3, Report of the Bureau of industrial statistics, is marked r331 P39.

pt.4 on Railroads, canals, &c. is marked r656 P3991.

pt.5, Report of inspectors of mines, is marked r622.33 P39m.

PENNSYLVANIA—Military department.

Annual report, for the year ending Dec. 1, 1864-1865. zv.
 1865-66.r353.9 P39
 Contains Roster of commissions issued to officers of Pennsylvania vol-
 unteers, Dec. 1, 1863-Dec. 1, 1865, with date of rank.

PENNSYLVANIA—Public printing and binding, Office of superintendent of.

Annual report of the superintendent of public printing and
 binding for the year ending June 30, 1894-date. 1894-
 dater353.9 P399

PENNSYLVANIA—Secretary of state.

Report, Jan. 18, 1887 to Dec. 19, 1888. (In Pennsylvania—
 Governor. (J. A. Beaver.) Message to the General
 assembly, Jan. 1, 1889, p.47-59.)r353.9 P398

The same, for the two years ending Nov. 30, 1890, 1898.
 1890-98r353.9 P3994

Report for the period ending Nov. 30, 1890 covers 23 months only.

PENNSYLVANIA. Statutes.

Military code of Pennsylvania, printed for the use of the Na-
 tional guard of Pennsylvania. 1898.r353.9 P3997

SHIMMELL, Lewis S.

Pennsylvania citizen. 1900.353.9 S55
 A complete history of the civil government of Pennsylvania, containing
 also the essentials of the national government. Specially adapted for
 use in grammar schools.

Rhode Island**SMITH, Joseph Jencks, comp.**

Civil and military list of Rhode Island, 1800-1850; a list of of-
 ficers elected by the General assembly from 1800 to 1850,
 also officers in Revolutionary war, appointed by Conti-
 nental congress, and in the regular army and navy, to 1850,
 including volunteer officers in War of 1812 and Mexican
 war, and officers in privateer service during colonial and
 Revolutionary wars, and the War of 1812. 1901qr353.9 S65

South Carolina**SOUTH CAROLINA—Legislature.**

Address of the minority of the Legislature to the people, ex-
 plaining their reasons for accepting the report of the joint
 committee on federal relations, on the amendment of the
 constitutional oath of office; with accompanying docu-
 ments. 1834.r353.9 N24
 Bound with other pamphlets.

Confederate States**CONFEDERATE STATES OF AMERICA—Justice, De-
partment of.**

Report of the attorney general, [for the six months ending
 Nov. 1, 1864], with the report of the superintendent of

public printing [April 26–Oct. 26, 1864]. 1864.....r973.7 C55
Bound with other pamphlets.

354 Foreign state governments

- ALMANACH de Gotha, 1868, 1871-1872, 1875-1888, 1896-date.
105e, 108e-109e, 112e-125e, 133e année-date. 1867-date..r354 A44
- FORBES, Archibald.
The Black Watch; the record of an historic regiment.
1897354.42 F75
- FORD, Worthington Chauncey, *comp*
British officers serving in America, 1754-1774. 1894.....qr354.42 F76
Reprinted from the New-England historical and genealogical register,
1894.
British officers serving in the American revolution, 1774-1783.
1897qr354.42 F76b
A continuation of "British officers serving in America, 1754-1774."
- FORTESCUE, John William.
History of the British army [to 1870]. v.1-3. 1899-1902..354.42 F79
v.1-2. To the close of the Seven years' war.
v.3. From the close of the Seven years' war to the second Peace of
Paris, 1763-1793.
Contains many battle maps.
"He has dealt not merely with the story of its embodiment, arming,
equipment, and organization, but with the general history of all the
wars in which it has been engaged...We have not found a single
campaign of any importance on which Mr. Fortescue has not brought
new information and judicious criticism to bear." *Literature*, (Eng.),
1899.
History of the 17th Lancers. 1895.....qr354.42 F79
- GRIFFITHS, Arthur George Frederick.
English army; its past history, present condition, and future
prospects354.42 G89
- MAURICE, Col. Frederick.
National defences. 1897. (English citizen series.).....354.42 M49
- NORWAY, Arthur Hamilton.
History of the post-office packet service. 1895.....354.42 N46
Account of that portion of the English navy engaged in the foreign
packet trade, from its beginning in 1688 to 1815, compiled mostly from
the official records of the Post-office service. Sketches the engage-
ments with American privateers during the War of 1812.
- POLITICIAN'S handbook; a review and digest of the state
papers, diplomatic correspondence, reports of royal com-
missions, select committees, treaties, consular reports,
&c.; ed. by H. Whates, session 1899-date. [v.1-date.]
1899-date.....r354.42 P76
- RICHARDS, Walter.
Her Majesty's army; a descriptive account of the various regi-
ments now comprising the Queen's forces, from their first
establishment. 3vqr354.42 R41
- COLDSTREAM, John Phillip.
Institutions of Austria. 1895.....354.43 C68
Brief summary of the history, government, law, religion, education, army
and navy, commerce and industry of Austria.
- ALMANACH royal, 1779.....r354.44 A44

BODLEY, John Edward Courtenay.

France. 2v. 1898.....354.44 B58

v.1. The revolution and modern France.—The constitution and the chief of the state.

v.2. Parliamentary system.—Political parties.

Each volume has its own index.

This work is the result of wide reading and study, of seven years' residence in many parts of France, of much converse with people of all ranks and parties, from such men as Renan, Taine and Clemenceau, to peasants and shopkeepers.

"A work which is the worthy outcome of well-spent years and which will take rank with Mr Bryce's 'America' and Sir Donald Mackenzie Wallace's 'Russia' among the few books which enable nations to understand nations." *The Times*, (London), 1898.

UNITED STATES—Insular commission.

Report of the United States insular commission to the secretary of war upon investigations made into the civil affairs of Porto Rico, with recommendations, June 9, 1899. 1899. (United States—Insular affairs division.) .r354.7 U25

DOUGLAS, James.

Canadian independence, annexation and British imperial federation. 1894. (Questions of the day.).....354.71 D75

355 Military science

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For Military engineering, see 623

An ABSENT-MINDED war; some reflections on our reverses and the causes which have led to them, by a British staff officer. 1900.....355 A16
Inspired by the Anglo-Boer war of 1899–1901. In large part a criticism of the methods of training English army officers.

ARCHIBALD, James Francis Jewell.

Blue shirt and khaki; a comparison. 1901.....355 A67

Contents: The new soldier and his equipment.—British and American recruits.—The common soldier in the field.—The officers.—American and British tactics.—Feeding the two armies.—The railroad in modern war.—Transportation of troops by sea.—The last days of the Boer capital.—The British in Pretoria.

By an American war correspondent who has been through both the Cuban and South African campaigns and who compares English and American army methods. Book makes a powerful, if not altogether just, appeal to American national vanity.

The ARMIES of to-day. 1893.....355 A72

Contents: The army of the United States, by Gen. Merritt.—The standing army of Great Britain, by Gen. Wolseley.—The German army, by Col. Exner.—The French army, by Gen. Lewal.—The Russian army, by a Russian general.—The Austro-Hungarian army, by Gen. von Kuhn.—The Italian army, by Goiran.—The Mexican army, by T. A. Janvier.—The military situation in Europe, by Col. Exner.

The same. 1893.....r355 A72

ATTERIDGE, Andrew Hilliard.

Wars of the 'nineties; a history of the warfare of the last ten years of the 19th century. 1899.....qr355 A88

Contents: The reconquest of the Soudan.—The Spanish-American war.—Chitral and the N. W. frontier campaign.—The Chino-Japanese war.—The Greco-Turkish war.—The Matabele wars.—The French conquest of Madagascar.—Recent campaigns in West Africa.—Civil wars in South America.—Campaigns in eastern and central Africa, 1890–1899.—

The second civil war in the Philippines.—Siam, the French on the Menam river.—Manipur and Thobal.—Note on the Shirkeleh expedition and the pursuit of the khalifa.

AUSTIN, Oscar Phelps.

Uncle Sam's soldiers; a story of the war with Spain.....j355 A93

Story based upon the experience of two boys verging upon manhood who served with the armies in Cuba, Puerto Rico, and the Philippines. Designed to give young readers information about modern military methods.

BALDOCK, Thomas Stanford.

Cromwell as a soldier. 1899. (Wolseley series.).....355 B19

"The aim...is to give a succinct account of Cromwell's life as a soldier, pointing out how his genius taught him to reject one after the other the principal military errors of his day, and how, under his guidance, a crude untrained militia developed in a few years into the most perfect regular army of that period." *Preface.*

BARRIE, George, *pub.*

Army and navy of the United States from the Revolution to the present day; a record of the formation, organization, and general equipment of the land and naval forces of the republic, ed. by William Walton, A. B. Gardiner and H. C. Taylor. 2v. 1889-95qr355 B26

Has the official approval of the State, War and Navy departments. There are several hundred illustrations, many of them full-page and colored, illustrating every branch of the service at all periods. A supplement contains lists of officers and estimates of forces from the beginning of the Revolution through the Civil war.

BELL, Charles Perceval Lynden Lynden.

Primer of tactics, fortification, topography and military law.

1899355 B39

BIGELOW, John, *jr.*

Principles of strategy illustrated mainly from American campaigns. 1891.....qr355 B47

BLOCH, Ivan Stanislavovitch.

Future of war in its technical, economic and political relations; is war now impossible? 1899.....355 B55

Translation of the sixth volume of the original work. Author is a well-known political economist of Warsaw. He attempts to prove that there can never be another largely destructive international war.

"Aside from its optimistic theory, M. Bloch's book is valuable as a thoroughly intelligible compendium of information on the military and naval strength and the economic conditions of the great European States." *Independent*, 1899.

BLOOMFIELD, B. *comp.*

Quartermaster's guide; being a compilation from the army regulations and other sources. 1862.....r355 C74g

Author was quartermaster in the Confederate army. Bound with other pamphlets.

BUCKHOLTZ, L. von, *comp.*

Tactics for officers of infantry, cavalry and artillery. 1861...r355 B85

BURNHAM, William Power.

Three roads to a commission in the United States army.

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CONFEDERATE STATES OF AMERICA—Adjutant and inspector general's office.

General orders from the Adjutant and inspector general's office, Confederate States army, for the year 1863.

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CONFEDERATE STATES OF AMERICA—War department.

- Army regulations adopted for the use of the army of the Confederate States, in accordance with the late acts of Congress, [with] an act for the establishment and organization of the army, also [the] articles of war. 1861..r355 C74
The same, 1864. Ed.3. 1864.....r355 C74f
 Title page reads Regulations for the army.
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 Regulations for the Subsistence department. 1861.....r355 C74g
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CONFEDERATE STATES OF AMERICA—War department—Department of Northern Virginia.

- General orders, no.64, May 18, 1863.....r973.7 C74h
 Orders relating to findings of various courts martial.
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CONNELL, F.Norreys.

- How soldiers fight; an attempt to depict for the popular understanding the waging of war and the soldier's share in it. 1899355. C75
 Popular and elementary, mainly addressed to the young volunteer. Describes old-time warfare, modern cavalry, artillery and infantry, and makes some prophecies concerning battle in the future.

DECLÉ, Lionel.

- Trooper 3809, a private soldier of the third republic. 1899..355 D36
 Detailed account of the French army system from the actual experience of a cavalry trooper. The introduction describes the military organization. The author aims to show that the conditions which make possible a Dreyfus case, are owing to arbitrary, unjust and defective discipline.

FARROW, Edward S. comp.

- Military encyclopedia; with supplement. 3v. 1895.....qr355 F25

FORSYTH, Gen. George Alexander.

- Story of the soldier. 1900. (Story of the West series.).....355 F78

FURSE, George Armand.

- Provisioning armies in the field. 1899.....355 F99

GOLTZ, Colmar, freiherr von der.

- The conduct of war; a brief study of its most important principles and forms. 1896.....355 G59
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- Operations of war explained and illustrated. 1889.....qr355 H21

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HOENIG, Fritz August.

- Inquiries into the tactics of the future, developed from modern military history; tr. fr. the German by Carl Reichmann.
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 Letters on strategy; ed. by W. H. James. 2v. 1898. (Wolseley series.).....355 H68
 v.1. The campaign of 1806, from the 8th to 14th Oct.—The campaign of 1859, from the 29th April to 4th June.—The campaign from the 1st to 8th Aug., 1870.
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- JERRAM**, Charles S. *comp.*
 Armies of the world. 1900.....r355 J28
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 Colored plates.
- LEE**, J. K. *ed.*
 Volunteer's hand book; containing an abridgement of Hardee's Infantry tactics. 1861.....r973.7 L52
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- LIEBE**, Georg.
 Der soldat in der deutschen vergangenheit, 15.-18. jahrhundert. 1899qr355 L68
 "A series of 183 most interesting illustrations, all reproductions of early engravings and woodcuts...taken from...chronicles, beginning with 1482, and well authenticated....Here are early artillery and matchlocks, single combats and battle scenes, fortifications and sieges, fighters and camp followers, the plundering soldier and the plundered peasant, the soldier's sweetheart and his victim, the early surgeon and the executioner, also a bit of 'Wallenstein's camp'—together with curious old verse. An intelligent text connects the whole, which may serve as a companion to Gustav Freytag's 'Bilder aus der Vergangenheit.'" *Saturday review*, 1899.
- McCLELLAN**, Gen. George Brinton.
 The armies of Europe, comprising descriptions in detail of the military systems of England, France, Russia, Prussia, Austria and Sardinia, adapting their advantages to all arms of the United States. 1861.....r355 M13
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- MAGUIRE**, Thomas Miller.
 Outlines of military geography. 1899.....355 M25
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 Military Europe; a narrative of personal observation and personal experience. 1898.....q355 M68
Contents: With the Turkish and Greek armies in time of war.—The military and naval glory of England as seen at the Queen's jubilee, June 1897.—Military manœuvres.
- NAPOLEON I, emperor of the French.
 Military maxims of Napoleon; tr. fr. the French by Sir G. C. D'Aguilar; with an introduction by the author of "An absent-minded war." 1901355 N12
 Rules concerning the conduct of a campaign and the tactics of the battlefield. The introduction applies the maxims to certain operations in the South African war.
- OMAN, Charles William Chadwick.
 A history of the art of war. v.2. 1898.....355 O24
 v.2. Middle ages, 4th to 14th century.
 "The present volume is intended to form the second of a series of four, in which I hope to give a general sketch of the history of the art of war from Greek and Roman times down to the beginning of the nineteenth century." *Preface.*
- PATTEN, George Washington, *comp.*
 Cavalry drill and sabre exercise; compiled agreeably to the latest regulations of the War department from standard military authority. 1862.....r355 C74g
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- REED, Hugh T.
 Cadet life at West Point. 1896.....355 R28
 Containing an appendix on the method of appointment of cadets, some specimen examination papers, and the course of study and books used at the academy.
- STONE, F. Gleadowe.
 Tactical studies from the Franco-German war, 1870-71. 1886.....355 S87
- TUTHERLY, Herbert E.
 Elementary treatise on military science and the art of war. 1898355 T88
 Contains an appendix on the Cuban war.
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- UNITED service; a quarterly review of military and naval affairs, Jan. 1879-Apr. 1897, 1902-date. v.1-date. 1879-dateqr355 U2535
 Beginning with v.2 the periodical was published monthly.
 New ser. v.1-17 is numbered v.15-31.
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- UNITED STATES—Adjutant-general's office.
 The soldier's handbook for use in the army of the United States. 1898.....r355 U251
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- UNITED STATES—Military academy, Select committee to investigate hazing at.
 Report submitting H.14127, to aid in enforcement of discipline at Military academy; with testimony upon hazing of O. L. Booz, and upon the subject of the practice

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- Reports. 3v. 1857-61.....qr355 U2533
- v.1. Report on the art of war in Europe in 1854, 1855 and 1856, by R. Delafield.
- v.2. Report, by G. B. McClellan.
- v.3. Report, by Alfred Mordecai.
- UNITED STATES—Military information division.
- Notes and tables on organization and establishment of the Spanish army in the peninsula and colonies. 1898.
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- UNITED STATES—Ordnance office.
- Description and rules for the management of the U. S. magazine rifle and carbine, calibre .30. 1898.....r355 U25de
- UNITED STATES—Quartermaster's department.
- Manual for the Quartermaster's department in the army of the United States. 1897.....r355 U25m
- Manual of instructions for quartermasters serving in the field, prepared by D. E. McCarthy. 1900.....r355 U25mal
- Regulations and decisions pertaining to the uniform of the army of the United States. 1897.....r355 U25re
- The same.* 1899r355 U25re2
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its own line, as any historical work ever did.' (*Edinburgh review*.) It is however, a chronicle rather than a history, and while it describes events in minute detail, makes little attempt to show their relation to each other or to the current course of politics or diplomacy. . . . A more serious fault is due to the strong national bias which affects the whole work. The facts, although related with scrupulous accuracy, not infrequently, especially in the case of the American war, convey a false impression." *Dictionary of national biography*.

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For contents see contents book, p.131; kept at the reference desk.

FINDLAY, Joseph John, *ed.*

Arnold of Rugby, his school life and contributions to educa-

tion. 1897.....370 F49

Contents: Biographical notice, with Life at Laleham, from Stanley's Life of Dr Arnold, and extracts from letters.—School life at Rugby, from Stanley's Life of Dr Arnold.—Selected sermons preached chiefly in Rugby chapel.—Essays on educational topics, from the miscellaneous works of Thomas Arnold.—Bibliography of works relating to Arnold's influence as a teacher, and to public school education before and after his time.

"This is a volume which well deserves the careful attention of all who are engaged in teaching. It may be regarded as supplementary to the late Dean Stanley's life of the Headmaster of Rugby...Mr Findlay's object is to deal with him as a schoolmaster." *Saturday review*, 1897.

HINSDALE, Burke Aaron.

President Garfield and education. 1882.....370 H57

JOLY, Henri.

Notions de pédagogie. 1884.....370 J38

Bibliographie, p.287-296.

NATIONAL EDUCATIONAL ASSOCIATION—Committee of fifteen.

Report; read at the Cleveland meeting of the Department of

superintendence, 1895, with the debate. 1895.....370 N15

Contents: Correlation of studies in elementary schools, by W. T. Harris.—Organization for city school systems, by A. S. Draper.—On the training of teachers, by H. S. Tarbell.

PRIESTLEY, Joseph.

Miscellaneous observations relating to education. 1780.....r370 P94

STUDIES in education; a series of 10 numbers devoted to child-

study and the history of education, 1896-97; ed. by Earl

Barnes. 1896-97.....370 S93

TARVER, John Charles.

Some observations of a foster parent. 1897.....370 T22

Contents: On the detestability of schoolmasters.—On the limited power of education.—Of education and instruction.—On reading and writing.—On arithmetic.—Educational subjects.—Tommy's mind.—Some of Tommy's blunders.—What is stupidity?—A defence of Latin.—Greek and elementary science.—The place of Greek.—Entrance examinations.—The preparatory school.—An early preparatory school.—Education and parental control.—Eton and Clifton.—Educational questions in 425 B.C.—History, geography and English.—Educational authorities.—Secondary education.—The universities.—Considerations suggested by the voluntary school question.—Tommy's honesty.—Tommy's health.—Punishment.—Athletics.—Day school v. boarding school.—The foster parent again to the real parent.

"A book about education that is positively entertaining, and manages to be both wise and witty in good literary English, and that does not mention 'psychology' or 'pedagogy'—this is really a book to be grateful for." *Nation*, 1897.

WARE, Fabian.

Educational reform; the task of the Board of education.

1900370 W22

ADAMS, John, *of Aberdeen.*

The Herbartian psychology applied to education. 1898..370.1 A21

BAIN, Alexander.

Education as a science. 1892. (International scientific series.)370.1 B16

COMENIUS, Johannes Amos.

Great didactic; now first Englished by M. W. Keatinge.

1896370.1 C73

Biography of Comenius, p.1-101.

DAVIDSON, Thomas.

Rousseau and education according to nature. 1898.

(Great educators.).....370.1 D29

DE BRATH, Stanley.

Foundations of success; a plea for rational education. 1896..370.1 D35

DEWEY, John.

School and society. 1899.....370.1 D51

Contents: The school and social progress.—The school and the life of the child.—Waste in education.—Three years of the university elementary school.

DRESSER, Horatio Willis.

Education and the philosophical ideal. 1900.....370.1 D81

An interesting discussion as to the true end of education. The author's ideal is the attainment of a harmony which may be described in a word as "equanimity." Each individual is to be brought into such a condition of calm by attention to his inner being that all the events of his life shall prove of spiritual value to him.

ELSLANDER, J.

L'éducation au point de vue sociologique. 1898.....370.1 E55

Contents: L'éducation au point de vue sociologique. — L'éducation moderne.—L'éducation rationnelle.

FELKIN, Henry M. & Mrs Emmie.

Introduction to Herbart's Science and practice of education. 1895370.1 F33

FOUILLÉE, Alfred Jules Émile.

Education from a national standpoint; tr. and ed. by W. J.

Greenstreet. 1897. (International education series.).....370.1 F82

A very valuable discussion of the fundamental principles of education, and an able and eloquent advocacy of the claims of literature to the chief place in the curriculum.

GUYAU, Marie Jean.

Education and heredity; a study in sociology; tr. by W. J.

Greenstreet. 1891. (Contemporary science series.).....370.1 G99

Biographical sketch, p.11-15.

An eloquent and valuable book by one of the most remarkable of recent French philosophers and poets, with an introduction by Mr G. F. Stout. It treats education from the point of view of the development of the race, and is full of suggestion.

HARRIS, William Torrey.

Theory of education. 1893. (School room classics.).....370.1 H29

HERBART, Johann Friedrich.

Letters and lectures on education; tr. fr. the German by H. M.

& Emmie Felkin. 1898.370.1 H451

List of the German editions of Herbart's works, p.13-14.

At the time these letters were written, Herbart was engaged as tutor to three boys of different age and capacity. His attention was gradually concentrated upon problems of education, and the germs of many of his later theories were formed during this period. The lectures are on: The basis of education; Outlines of the general science

- of education; and, On special branches of education.
 Science of education. 1895.....370.1 H45
 "Herbart's life and educational work," by H. M. and Emmie Felkin,
 p.1-23.
- HOLMAN, Henry.
 Education; an introduction to its principles and their psycho-
 logical foundations. 1896.....370.1 H73
 Bibliography, p.523-524.
 "My aim throughout this book is, to give the beginner a clear and in-
 telligible outline of education, as a science only, and at the same time
 to suggest, but not to discuss, some of its deeper and more philosophic
 aspects." *Preface.*
- LANG, Ossian Herbert, *ed.*
 Educational creeds of the 19th century. 1898.....370.1 L23
 Statements, by various American educators, of their educational ideals.
- LANG, Ossian Herbert.
 Rousseau and his "Émile." 1893370.1 L23r
- LAURIE, Simon Somerville.
 Institutes of education, comprising an introduction to rational
 psychology. 1892370.1 L37i
 A handbook for students of the philosophy of educational methods.
 John Amos Comenius, bishop of the Moravians; his life
 and educational works. 1892.....370.1 L37
 "Bibliography of the educational works of Comenius," p.227-260.
- McMURRY, Charles Alexander.
 Elements of general method; based on the principles of Her-
 bart. 1898.....370.1 M21
 "Books of reference," p.223-224.
- MANSFIELD, Edward Deering.
 American education; its principles and elements. 1851.....370.1 M34
- MONTAIGNE, Michel Eyquem de.
 Education of children; selected, tr. and annotated by L. E.
 Rector. 1899. (International education series.).....370.1 M84
- PAYNE, Joseph.
 Lectures on the science and art of education, with other lec-
 tures. 1890.....370.1 P33
Other lectures: Educational methods.—Principles of the science of edu-
 cation.—Theories of teaching with their corresponding practice.—The
 importance of the training of the teacher.—The true foundation of
 science teaching.—Pestalozzi; the influence of his principles on ele-
 mentary education.—Froebel and the kindergarten system of education.
 Life of Joseph Payne, p.14-19.
 "The work of an able, enthusiastic teacher and a close student of edu-
 cation. Sets forth the principles of teaching as well as the art. Shows how Nature teaches and the defects of her method. States
 the essentials of good methods. Finds a basis for all method in the
 proposition that learning is self-teaching. Lays stress upon action
 and things as factors contributing greatly to the pupil's mental
 development. A most stimulating book for the teacher." *Edward R. Shaw.*
- Lectures on the science and art of education, with other lec-
 tures and essays. 1883.....370.1 P33l
Other lectures and essays: Principles of the science of education.—The
 training and equipment of the teacher for his profession.—The impor-
 tance of the training of the teacher.—Theories of teaching, with their
 corresponding practice.—The science and art of education.—The true
 foundation of science teaching.—A preface and supplement to an essay
 "On the culture of the observing powers of children," by E. A. You-
 mans.—The curriculum of modern education, and the respective claims
 of classics and science to be represented in it considered.—On the im-
 portance and necessity of improving our ordinary methods of school

- instruction.—On the past, present, and future of the College of preceptors.—Proposal for the endowment of a professorship of the science and art of education in connection with the College of preceptors.—A compendious exposition of Jacotot's system of education.
List of Mr Payne's published works, p.11-12.
List of books on education, p.89-93.
- Science and art of education, and Principles of the science of education. 1876370.1 P33s
- PLATO.
Education of the young in the Republic of Plato; tr. into English with notes and introduction, by Bernard Bosanquet. 1900.....370.1 P68
- PUTNAM, Daniel.
Manual of pedagogics. 1898.....370.1 P99
Bibliography at the end of each chapter.
- RADESTOCK, Paul.
Habit and its importance in education; an essay in pedagogical psychology. 1897.....370.1 R13
- RICHTER, Jean Paul Friedrich, (*pseud.* Jean Paul).
Levana; or, The doctrine of education. 1890.....370.1 R42
Biography and autobiography, p.1-66.
- ROARK, Ruric Nevel
Psychology in education. 1895.....370.1 R53
- ROSENKRANZ, Johann Karl Friedrich.
Philosophy of education. 1893. (International education series.)370.1 R72
The author was for many years professor of philosophy at Königsberg, and wrote extensively on philosophy and literature. This work, which on its appearance made an epoch in the treatment of educational theory in Germany, was originally translated for the Journal of speculative philosophy, but in this edition has been so revised as to adapt it to the needs of readers not trained in philosophy. After discussing the general idea of education, including its nature, forms and limits; he considers physical and intellectual education, and the training of the will, while under "education in its particular systems" he takes up the national, theocratic and humanitarian or Christian systems.
- ROUSSEAU, Jean Jacques.
Émile; or, Treatise on education. 1893. (International education series.).....370.1 R77
Though some of his schemes are visionary, some are admirable. Voltaire says: "There are fifty pages of the 'Émile' that should be bound in velvet and gold."
Émile; ou, De l'éducation. 1894.....370.1 R77e
- SPENCER, Herbert.
Education. 1893.....370.1 S74
"Discusses, What knowledge is of most worth, Intellectual education, Moral education, and Physical education. The chapter on intellectual education is the most important for its elucidation of the principles of education and as showing their application." *Edward R. Shaw.*
- TATE, Thomas.
Philosophy of education; or, The principles and practice of teaching. 1885.....370.1 T23
- VINCENT, George Edgar.
The social mind and education. 1897.....370.1 V34
Bibliography, p.147-152.
- KIDDLE, Henry, & Schem, A.J. *ed.*
Cyclopædia of education. 1883.....qr370.3 K24

- SONNENSCHNEIDER'S cyclopaedia of education; ed. by A. E.
 Fletcher. 1892.r370.3 S69
 Bibliography, p.529-562.

370.4 Essays

ASPECTS of modern study; university extension addresses.

1895370.4 A83

Contents: The evolution of university extension as a part of popular education, by Lord Playfair.—The future of university extension in London, by Canon Browne.—Hearing, reading and thinking, by G. J. Goschen.—The study of literature, by John Morley.—Scientific study, by Sir James Paget.—Some lessons of antiquity, by Max Müller.—The application of the historical method to economic science, by the duke of Argyll.—Ideals, by Dr Westcott.—The influence of the Greek mind on modern life, by Prof. Jebb.

BAKER, James Hutchins.

Education and life; papers and addresses. 1900.370.4 B17

Contents: Heritage of the scholar.—Plato's philosophy of education and life.—Secondary education; a review.—Educational values.—Power as related to knowledge.—Moral training.—Can virtue be taught?—College and university.—University ideals.—General education practical.—The modern gospel of work.—The psychology of faith.—Evolution of a personal ideal.—The Greek virtues in modern application.—The student as citizen.—Optimism and interest.—The ethical and æsthetic elements in education.—Progress as realization.

BRIGGS, LeBaron Russell.

School, college and character. 1901.370.4 B74

Contents: Fathers, mothers and freshmen.—Some old-fashioned doubts about new-fashioned education.—College honor.—Some aspects of grammar-school training.—The transition from school to college. The first four of these essays appeared in the Atlantic monthly.

BUTLER, Nicholas Murray.

Meaning of education, and other essays and addresses. 1898.370.4 B97

Other essays: What knowledge is of most worth?—Is there a new education?—Democracy and education.—The American college and the American university.—The function of the secondary school.—The reform of secondary education in the United States.

DUTTON, Samuel Train.

Social phases of education in the school and the home. 1899.370.4 D95

ELIOT, Charles William.

Educational reform; essays and addresses. 1898.370.4 E47

FITCH, Sir Joshua Girling.

Educational aims and methods. 1900.370.4 F55

Contents: Methods of instruction as illustrated in the Bible.—Socrates and his methods of teaching.—Evolution of character.—Training of the reason.—Hand work and head work.—Endowments and their influence on education.—Ascham and the schools of the renaissance.—Teachers' institutes and conventions in America.—Edward Thring.—The university extension movement, and its relation to schools.—Joseph Lancaster.—Pestalozzi.—The Sunday school of the future.—Women and universities.—The French leaving certificate.

HANUS, Paul Henry.

Educational aims and educational values. 1899.370.4 H24

Contents: Educational aims and educational values.—A recent tendency in secondary education examined.—Attempted improvements in the course of study.—What should the modern secondary school aim to accomplish? — Secondary education as a unifying force in American life.—The preparation of the high-school teacher of mathematics.—The study of education at Harvard university.—The permanent influence of Comenius.

HARRIS, William Torrey.

General government and public education throughout the

- country; a paper read before the Department of superintendence of the National educational association, Feb. 1890.
1890. (Papers on school issues of the day.)r370.4 N15
Bound with other pamphlets.
- Supplemental report to the report of the special committee on pedagogical and psychological observation; presented to the National educational association, July 1890. 1890.
(Papers on school issues of the day.)r370.4 N15
Bound with other pamphlets.
- HART, Albert Bushnell.
Studies in American education. 1895.....370.4 H31
Contents: Has the teacher a profession? — Reform in the grammar schools.—University participation; a substitute for university extension.—How to study history.—How to teach history in secondary schools.—The status of athletics in American colleges.
- HENDERSON, Charles Hanford.
Education and the larger life. 1902370.4 H44
Contents: The point of view.—The social purpose.—The source of power.—Organic education.—Cause and effect.—Childhood.—Youth.—Holidays.—At the university.—The experimental life.—The agents of the social purpose.
Criticism of existing educational conditions and suggestions toward a better order. Mr Henderson strongly favors kindergartens, manual training schools, small classes, experimental and laboratory methods in teaching.
- HOPKINS, Mrs Louisa Parsons (Stone).
Spirit of the new education. 1892.....370.4 H78
- HUXLEY, Thomas Henry.
Science and education. 1894.....370.4 H98
Contents: Joseph Priestley.—Educational value of the natural history sciences.—Emancipation, black and white.—A liberal education, and where to find it.—Scientific education.—Science and culture.—Science and art in relation to education.—Universities, actual and ideal.—Address on university education.—Study of biology.—Elementary instruction in physiology.—Medical education.—The state and the medical profession.—Connection of the biological sciences with medicine.—School boards.—Technical education.—Address on behalf of the National association for the promotion of technical education.
- JEBB, Sir Richard Claverhouse.
Humanism in education; the Romanes lecture, 1899.
1899370.4 J22
- JORDAN, David Starr.
Care and culture of men; addresses on higher education.
1896370.4 J43
- LOCKE, John.
Some thoughts concerning education. 1892.....370.4 L75
Biography of Locke, p.19-46.
- NORTHROP, Birdsey Grant.
Education abroad, and other papers. 1873.....370.4 N45
Contents: Should American youth be educated abroad?—Legal prevention of illiteracy.—Culture and knowledge.—The professional study.—Study and health.—Labor as an educator.—Education and industrial arts.—Education and invention.—Labor and capital theoretically harmonized.—Labor and capital practically harmonized.
- PAYNE, William Harold.
Contributions to the science of education.....370.4 P33
Seventeen essays on educational topics.
- QUICK, Robert Herbert.
Essays on educational reformers. 1892. (International edu-

- cation series.)370.4 Q29
Contents: Effects of the renaissance.—Renaissance tendencies.—Sturmius.—Schools of the Jesuits.—Rabelais.—Montaigne.—Ascham.—Mulcaster.—Ratichius.—Comenius.—The gentlemen of Port-Royal.—Some English writers before Locke.—Locke.—Rousseau.—Basedow and the Philanthropinum.—Pestalozzi.—Froebel.—Jacotot, a methodizer. — Herbert Spencer.—Thoughts and suggestions.—The schoolmaster's moral and religious influence.
- ROOPER, Thomas Godolphin.
 School and home life; essays and lectures on current educational topics.370.4 R68
- SMITH, William Hawley.
 Walks and talks. 1893.370.4 S66
 Suggestive talks about educational methods, written by an earnest child sympathizer who pleads for the democracy of public schools and the suiting of the education they offer to the practical needs of the children.
- SPALDING, John Lancaster.
 Education and the higher life. 1900370.4 S73e
Contents: Ideals.—Exercise of mind.—The love of excellence.—Culture and the spirit of the age.—Self-culture.—Growth and duty.—Right human life.—University education.
 The underlying thought in these essays is the cultivation of mind, of heart and of soul, not for its own sake, but for its influence in the world about us. Incidentally there is some thoughtful discussion of the value, in education, of the classics, of historical study, of the sciences, and a plea for an American literature.
- Opportunity, and other essays and addresses. 1900.370.4 S73
Other essays: Woman and the higher education.—The university a nursery of the higher life.—The university and the teacher.—Goethe as educator.—The patriot.—Empire or republic.
- Thoughts and theories of life and education. 1897.370.4 S73t
Contents: Thoughts and theories.—Books.—The teacher and the school.
- WALKER, Francis Amasa.
 Discussions in education. 1899.370.4 W16
Contents: Technological education.—Manual education.—The teaching of arithmetic.—College problems.—A valedictory.
- WILSON, James Maurice.
 Three addresses to girls at school. 1890.370.4 W76
Contents: Education.—High school education for girls.—Religion.

370.5 Periodicals

- AMERICAN journal of education; ed. by Henry Barnard; bi-monthly and quarterly, Aug. 1855–Dec. 1881. 31v.
 1855–81r370.5 A51
 Binder's title reads Barnard's American journal of education.
 No more published.
- EDUCATION; an international magazine; bimonthly. v.1–date.
 1881–dater370.5 E29
- EDUCATIONAL review; monthly. v.1–date. 1891–date.r370.5 E299
- JOURNAL of education; weekly. v.43–date. 1896–date.qr370.5 J46
 v.1–12 published as the New England journal of education.
- PEDAGOGICAL seminary; an international record of educational literature, institutions and progress; ed. by G. S. Hall. v.1–date. 1891–date.r370.5 P36
 Published irregularly.
- PUBLIC-SCHOOL journal; monthly, Sept. 1897–date. v.17–date. 1897–date.r370.5 P9f
 v.18–date title reads School and home education.

- SCHOOL and college, devoted to secondary and higher education; ed. by R. G. Huling; monthly. v.1. 1892r370.5 S372
No more published.
- The SCHOOL journal; weekly. v.52-date. 1896-date.....qr370.5 S37

370.6 Associations

ASSOCIATION OF COLLEGES AND PREPARATORY SCHOOLS IN THE MIDDLE STATES AND MARYLAND.

- Proceedings of the annual convention (1st-date), 1893-date. 1894-date.....r370.6 C69

The association was organized in 1887 as the College association of Pennsylvania. In June 1888 the name was changed to the College association of the Middle states and Maryland. In 1892 the name was again changed to the Association of colleges and preparatory schools in the Middle states and Maryland. For the Proceedings of these earlier bodies see their names.

ASSOCIATION OF COLLEGIATE ALUMNÆ.

- Publications. 2d ser. no.61; 3d ser. no.1-date. 1897-date....qr370.6 A84

2d ser. no.61 is entitled Contributions towards a bibliography of the higher education of women.

3d ser. no.3 has supplement Register of the Association of collegiate alumnae, 1899-1900; with constitution and by-laws; no.5 has similar supplement for 1901-1902.

CHICAGO—Educational commission, 1898.

- Report submitting recommendations in regard to the administration of the public school system of Chicago.

1899r370.6 C43

Bibliographical references on city school systems, p.232-233.

COLLEGE ASSOCIATION OF PENNSYLVANIA.

- Proceedings of the convention (1st-2d), 1887-1888. 1887-88.....r370.6 C69 v.1

Reorganized in 1888, as the College association of the Middle states and Maryland.

Title of Proceedings of 1st convention reads "History of the organization, and proceedings," &c.

COLLEGE ASSOCIATION OF THE MIDDLE STATES AND MARYLAND.

- Proceedings of the annual convention (1st-4th), 1889-1892. 1890-92.....r370.6 C69 v.2
Continued as the Association of colleges and preparatory schools in the Middle states and Maryland.

ENGLAND—Secondary education commission, 1894.

- Report of the commissioners. 9v. 1895.....r370.6 E64

Commission was appointed to consider the best methods of establishing a well-organized system of secondary education in England. The report contains an historical statement as to previous legislation, a description of the state of things actually existing, an analysis of the evidence submitted to the commission, and recommendations submitted by them.

NATIONAL EDUCATIONAL ASSOCIATION.

- Addresses and journal of proceedings. 1873-date.....r370.6 N15

The volume for 1893 contains Proceedings of the International congress of education of the World's Columbian exposition.
1878 no session.

Index to Proceedings National teachers' association, 1857-1870 and the National educational association, 1871-1897. 1897.

- History of the association; list of meetings, officers, etc.

1892r370.6 N15r

NATIONAL HERBART SOCIETY.

Publications; ed. by C. A. McMurry, 1895-1900. 5v. in 1.

1900 r370.6 N1553

v.1. Pressing problems, by Charles DeGarmo.—Concentration, by Frank McMurry.—Culture-epochs, by C. C. Van Liew.—Course of study in primary grades, by Mrs L. B. McMurry.—Interest as related to will, by John Dewey.

v.2. Isolation and unification, by E. E. White.—The culture-epochs, by H. T. Lukens and others.—Literature in the high school, by J. R. Colby.—Training for citizenship, by J. W. Jenks.

v.3. Moral education, by John Dewey and others.—Training for citizenship, by E. J. James and others.—Observation and apperception, by Arnold Tompkins.—The application of the principles of Herbart to secondary schools, by Otto Frick and Dr Friedel.

v.4. Knowledge, will and conduct, by James Seth.—Social function of United States history, by J. B. McMaster and others.—Social function of geography, by Spencer Trotter and W. M. Davis.—A course of study in geography for the common schools, by C. A. McMurry.

v.5. Significance of the frontier in American history, by F. J. Turner.—Mediæval and modern history in the high school, by J. H. Robinson.—The social aim in education, by I. W. Howerth.—Commercial education, by C. A. Herrick.

Reorganized, Feb. 28, 1901, and continued under the title National society for the scientific study of education.

NATIONAL SOCIETY FOR THE SCIENTIFIC STUDY OF EDUCATION.

Yearbook, (1st-date). 1902-date.....r370.6 N1552

Continuation of the National Herbart society.

NATIONAL TEACHERS' ASSOCIATION.

Proceedings and lectures of the annual meeting (6th-7th,

9th), 1865-1866, 1869. 1865-69.....r370.6 N155

Proceedings of the 7th and 9th meetings contain also reports of the National association of school superintendents and of the American normal school association.

In 1870 the National teachers' association, National superintendents' association and the American normal school association united to form the National educational association.

370.7 Normal schools

BRAMWELL, Amy Blanche, & Hughes, H.M.

The training of teachers in the United States. 1894.....370.7 B69

Reports on a tour of investigation made by two English teachers to this country during the summer of 1893, for the purpose of studying the provisions made in the United States for the training of teachers.

WEST CHESTER STATE NORMAL SCHOOL.

Quarto-centennial history, 1871-1896. 1896.....r370.7 W56

UNITED STATES—Education bureau.

Educational exhibits and conventions at the World's industrial and cotton centennial exposition, New Orleans, 1884-

85. 3v. in 1. 1886. (Special report.)r370.8 U25ed

Contents: Catalogue of exhibits.—Proceedings of the International congress of educators.—Proceedings of the Department of superintendence of the National educational association, and addresses delivered on education days.

370.9 History of education

BALFOUR, Graham.

Educational systems of Great Britain and Ireland. 1898...370.9 B19

BOONE, Richard Gause.

- Education in the United States, its history from the earliest settlements. 1894. (International education series.)...370.9 B3
 There is a bibliography at the end of each chapter.
 A brief history of the schools and colleges of colonial and Revolutionary times is followed by a consideration of school funds, school supervision, the training of teachers, recent colleges, professional and technical schools and the present provision for the education of the unfortunate and criminal classes. Part IV considers some current educational interests. This is practically the first history of education in the United States.

BROWNING, Oscar.

- Aspects of education; a study in the history of pedagogy.
 1892370.9 B8i
Contents: Humanism. — Realism. — Naturalism. — The English public school.
 Appeared in *Science*, 1887-1888.
 Introduction to the history of educational theories.
 1888370.9 B8ii
 "Authorities," p. 3.

BUTLER, Nicholas Murray, *ed.*

- Education in the United States; a series of monographs prepared for the United States exhibit at the Paris exposition, 1900. 2v. 1900.....370.9 B97
The same. 2v. 1900.....370.9 B97
 v.1. Educational organization and administration, by A. S. Draper.—Kindergarten education, by S. E. Blow.—Elementary education, by W. T. Harris.—Secondary education, by E. E. Brown.—The American college, by A. F. West.—The American university, by E. D. Perry.—Education of women, by M. C. Thomas.—Training of teachers, by B. A. Hinsdale.—School architecture and hygiene, by G. B. Morrison.
 v.2. Professional education, by J. R. Parsons.—Scientific, technical and engineering education, by T. C. Mendenhall.—Agricultural education, by C. W. Dabney.—Commercial education, by E. J. James.—Art and industrial education, by I. E. Clarke.—Education of defectives, by E. E. Allen.—Summer schools and university extension, by H. B. Adams.—Scientific societies and associations, by J. McK. Cattell.—Education of the negro, by B. T. Washington.—Education of the Indian, by W. N. Hailmann.
 Most of the articles include bibliographies.

CAPES, William Wolfe.

- University life in ancient Athens; being the substance of four Oxford lectures. 1877.....370.9 C18

COMPAYRÉ, Gabriel.

- History of pedagogy. 1885.....370.9 C73
 Select list of works, p.573-575.
 "Represents to my own mind very nearly the ideal of the treatise that is needed by the teaching profession." *W. H. Payne, in preface.*

DAVIDSON, Thomas.

- Aristotle and ancient educational ideals. 1897. (Great educators.)370.9 D29a
 Bibliography, p.249-251.
 Education of the Greek people and its influence on civilization, 1894. (International education series.).....370.9 D29
 The author says his purpose is "to show how the Greek people were gradually educated up to that stage of culture which made them teachers of the whole world, and what the effect of that teaching has been. Hence education, in its narrow, pedagogic sense, is presented but in the barest outline, while prominence is given to the different stages in the growth of the Greek political, ethical, and religious consciousness."

- History of education. 1900.....370.9 D29h
Contents: Savage, barbarian and civic education; The rise of intelligence.—Savage education.—Barbarian education.—Civic education.—Human education; Supernatural beginnings of humanism.—Mediæval education.—Modern education.
 Bibliography, p.277-282.
- EDGAR, John.
 History of early Scottish education. 1893.....370.9 E28
 Authorities, p.6-8.
- HAILMANN, William Nicholas.
 Twelve lectures on the history of pedagogy. 1874.....370.9 H14
- LANG, Ossian Herbert.
 Great teachers of four centuries; an outline history of the great movements and masters of the past four hundred years, that have shaped the theory and practice of the education of the present. 1893.....370.9 L23
 An exceedingly brief handbook intended for busy teachers.
- LEACH, Arthur Francis.
 English schools at the reformation, 1546-8. 1896.....370.9 L44
- MAHAFFY, John Pentland.
 Old Greek education.....370.9 M25
- MARK, H. Thiselton.
 Outline of the history of educational theories in England.
 1899370.9 M39
 List of books, p.136.
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- PAYNE, Joseph.
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 Thirteen lectures on leading educators, of which ten deal with European writers since the revival of learning.

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Thinking and learning to think. 1900.....371 S29

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- As headmaster of Uppingham (Eng.) school, Edward Thring was one of the foremost pioneers in the modern methods of education. In this book, as in his work there, the object toward which he directs every effort is "education" as distinguished from instruction. In his whole consideration of the subject he insists most strongly that what is most important is not to gain knowledge, but to develop the power of the learner, and interest in the thing learned, and to teach mental independence and self reliance.

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during school years.—Shattuck, G. B. Epidemics and disinfection.—
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Boston whittling schools, by E. E. Brown.—Philadelphia school of
reform, by Mrs Mary Wager-Fisher.—Among some sewing schools,
by E. E. Brown, Velma Wright, Mrs John Lillie.—Boston Chinese
mission school, by A. B. Harris.—Flower school at Corlear's Hook,
by Mrs E. E. Dickinson.—Lady Betty's cooking school, by Mrs John
Lillie.—The bad boys of France, by Mrs E. F. Pratt.—The children's
hour; a novel art school, by F. E. Fryatt.—At a day nursery, by A.
B. Harris.—Some Indian schools, by Mrs T. R. Jenness.—Training
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- SHUTTLEWORTH, George Edward.
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Account of the growth, the methods and work of Tuskegee normal and industrial institute for colored students in Alabama, and a sketch of Mr Booker T. Washington, its principal.
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Reports on elementary schools, 1852-1882; ed. by Sir Francis Sandford. 1889.....372.9 A75
- ARNOLD, Sarah Louise.
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Contents: Nature study.—Language lessons.—Reading.—Spelling.—Geography.—Number.—Seat-work.—Talks on school subjects.
Each of the eight chapters discusses the plan and purpose of the study in question, supplementing with sample lessons and numerous original language productions by children. Every suggestion has been tested in the author's schoolroom experience.
- BEEBE, Katherine.
First school year for primary workers. 1895.....372 B37
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Discusses gifts, occupations, materials, science work, festivals and holidays, beauty in the schoolroom, self-expression, literature for children, etc.
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GEORGE, Minnie M.

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Suggestions to primary school teachers for a year's work, including nature and science study, literature, etc., and containing numerous stories, poems and songs.

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McMURRY, Charles Alexander.

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Practical suggestions to parents on the physical, intellectual and moral training of children, based on the then (1848) advanced idea that freedom and reason are more effective than command and obedience.

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WALKER, Louisa.

Varied occupations in string work, comprising knotting, netting, looping, plaiting and macramé. 1896.....372 W17

Intended for the use of primary and kindergarten teachers. The exercises are graded into three sections, suitable to the age and capacity of children varying from five to eight years of age.

WARNER, Francis.

The study of children and their school training. 1897.....372 W23

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WIGGIN, Mrs Kate Douglas, *afterward* Mrs Riggs.

Children's rights; a book of nursery logic. 1896. 372 W68

Other essays: Children's plays.—Children's playthings.—What shall children read?—Children's stories.—The relation of the kindergarten to social reform.—How shall we govern our children?—The magic of "together."—The relation of the kindergarten to the public school.—Other people's children.

Three of the essays were written by N. A. Smith.

"A very readable collection of essays, literary rather than scientific."
Earl Barnes.

WILTSE, Sara Eliza.

The place of the story in early education, and other essays.

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Other essays: Study of children.—Children's habits.—Learning to use money.—Sound-blindness.—A study of adolescence.—Mental imagery of boys.

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A standard work first published in 1824, containing a full exposition of Fröbel's philosophy. Dr W. T. Harris says: "This book deserves a thorough annual study by every teacher's reading club in the land."
Mother-play and nursery songs. 1895.....q372.2 F96m
Fröbel said that whoever understood this book understood his philosophy. Two thoughts furnish the key to it: the importance of infancy as the germ stage of life, and the symbolism of all material things.
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The story of a sand-pile. 1897.....372.2 H17
Tells how an actual sand-pile taught some bright boys the elements of industrial processes, administration, law, geography, mathematics, etc.
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Christmas-tide. 1894372.2 H29
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Catalogue, 1859/60-date. 1860-date.....r378.7 L14c
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v.10-date title reads The Lafayette.
v.3 wanting.

LEONARD, Delavan Lavant.

Story of Oberlin; the institution, the community, the idea, the movement. 1898378.7 L62

LOCKE, Edward Allen, *ed.*

Brown university; an illustrated historical souvenir. 1897 ..r378.7 L75

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Addresses and proceedings connected with the semi-centennial celebration, June 28-July 1, 1885. 1885.....r378.7 M38

MISSOURI UNIVERSITY.

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v.2, no.1. Ithaca or Leucas? by W. G. Manly.

- MONTAGUE**, William Lewis, *and others*, ed.
Biographical record of the alumni of Amherst college, 1821-1896. v.1-2. 1883-1901r378.7 M84
- MONTGOMERY**, Thomas Harrison.
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- NEW YORK** (state)—University—College department.
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- OBERLIN COLLEGE**.
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1900 r378.7 O12q
- OBERLIN COLLEGE**—Junior class.
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- PENNSYLVANIA**—General assembly.
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Annual report, 1886-1888, 1894, 1896-date. 1887-date.....r378.7 P39a
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pt.2. Agricultural experiment station.
Catalogue, 1895/96-date. 37th year-date. 1896-date.....r378.7 P39
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- PENNSYLVANIA STATE COLLEGE**—Junior class.
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Catalogue, 1897/98, 1901/02-date. 1897-date.....r378.7 P399c
- PETER**, Robert, & Johanna.
Transylvania university; its origin, rise, decline and fall. 1896.
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- PRINCETON UNIVERSITY**.
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Memorial book of the sesquicentennial celebration of the founding of the College of New Jersey and of the ceremonies inaugurating Princeton university. 1898...qr378.7 P95m
Contains a full account of the celebration, written by Prof. Harper, copies of the letters and telegrams of formal congratulation, and a historical sketch of the university by Prof. De Witt. Many pictures of the university buildings, former presidents, etc.
Nassau herald. no.33. 1897.....r378.7 P95n
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SMITH, Joseph, 1796-1868.

History of Jefferson college, including an account of the
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THWAITES, Reuben Gold, ed.

University of Wisconsin; its history and its alumni, with
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Contains "The story of Madison," p.3-41, and "History of the Uni-
versity of Wisconsin," p.45-175, by R. G. Thwaites.

THWING, Charles Franklin.

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TUFTS COLLEGE.

Register of officers of instruction and government, and direc-
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lications, v.1, no.2.)r378.7 T82

WASHINGTON AND JEFFERSON COLLEGE.

Biographical and historical catalogue, containing a general
catalogue of Jefferson college, of Washington college and
of Washington and Jefferson college, 1802-1889. 1889..r378.7 W27b
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1900; the proceedings and class history. 1900.....378.7 W27

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Annual for 1883-1892. 1884-93.....r378.7 W27a

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Pandora, 1891, 1893, 1896-98. v.6, 8, 11-13. 1890-97.....qr378.7 W27

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WELCH, Lewis Sheldon, & Camp, Walter.

Yale; her campus, class-rooms and athletics. 1899. (Ameri-
can university series.).....378.7 W47
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by Lewis Sheldon Welch, and "Athletics at Yale," pt.3, by Walter
Camp. Pt.1 has chapters on: As to making a Yale man; The initia-
tion; The sense of membership; Living only in Yale; Living and
working by classes; Yale journalism; The poor student's opportunities,
etc. Pt.2 describes the various class-rooms—the scientific, divinity,
medical and law schools, etc. Pt.3 has chapters on rowing at Yale,
football, baseball, track athletics, etc. There are a number of ap-
pendices, containing chronologies, tables of gifts, etc.

WEST VIRGINIA UNIVERSITY.

Catalogue (1st-date), 1867/68-date. 1868-date.....r378.7 W561
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WESTERN university courant; monthly. v.15-date. 1899-

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WISCONSIN UNIVERSITY.

Bulletin; general series. v.1. 1900.....qr378.7 W81
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YALE UNIVERSITY.

Addresses at the inauguration of Noah Porter as president
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379 Public schools

CRAIK, Sir Henry.

The state in its relation to education. (English citizen
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DEWEY, John.

The educational situation. 1902. (Chicago university. Con-
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REINHART, J.A.

Outline of the civics of education. 1892. (Teachers' profes-
sional library.).....379 R31

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state to education." *Preface.*

TARVER, John Charles.

Debateable claims; essays on secondary education. 1898....379 T22

WARE, Fabian.

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forts in England to lay educational foundations.—The attempts of the
English government to lay educational foundations.—The foundations
laid by German government.—The foundations laid in France.—The
foundations laid in America.—Conclusions.

"A clearly arranged historical sketch of the elaboration of the phase of
education with which the author is concerned in Germany, France and
the United States, as well as a very interesting comparison of the
salient characteristics of the different national systems." *Athenaeum*,
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PICKARD, Josiah Little.

School supervision. 1898. (International education
series.)379.1 P54

PENNSYLVANIA—Public instruction department.

Common school laws of Pennsylvania and decisions of
the superintendent, with explanations, forms, etc.,
[1870, 1873, 1876, 1879, 1882, 1885, 1888, 1889, 1890, 1892,
1894, 1896, 1899, 1902]. 1870-1902.....r379.14 P39

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Pittsburgh school laws; with the rules and regulations adopted
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BARNARD, Henry.

National education in Europe; an account of the public
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KLEMM, Louis Richard.

European schools; or, What I saw in the schools of Germany,
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HOLMAN, Henry.

English national education; a sketch of the rise of public elementary schools in England. 1898.....379.42 H73

SCOTT, R.P. *ed.*

What is secondary education? and other short essays, by writers of practical experience on various aspects of the problem of organisation; a handbook for public men and for parents, on the national organisation of education in England. 1899.....379.42 S42

SHARPLESS, Isaac.

English education in elementary and secondary schools. 1897. (International education series.).....379.42 S53

STANLEY, Edward Lyulph.

Our national education. 1899.....379.42 S78
Contents: Technical education. — Education in Britain and abroad.—
 Technical education for the industrial classes.—Commercial education.
 —Technical and secondary education authorities.—The harmonious
 working together of primary, secondary, technical and commercial
 education.—The education and training of teachers.—The outlook.

ARNOLD, Matthew.

Higher schools & universities in Germany. 1892.....379.43 A75

BOLTON, Frederick Elmer.

Secondary school system of Germany. 1900. (International education series.).....379.43 B61
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HUNGARY—Ministère royal des cultes et de l'instruction publique.

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RUSSELL, James Earl.

German higher schools; history, organization and methods of secondary education in Germany. 1899.....379.43 R91
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 Mr Russell, as special agent of the United States bureau of education, for the study and investigation of German schools, spent two years in visiting personally the schools of more than forty towns and cities, and consulted many prominent German educationists. The history, organization and methods of the German secondary schools are here thoroughly considered.

SEELEY, Levi.

Common-school system of Germany and its lessons to America. 1896379.43 S45

379.7 Public schools of America

NATIONAL EDUCATIONAL ASSOCIATION—Committee of twelve.

Report on rural schools. 1897.....375 N15
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PAGE, Mary H.

Graded schools in the United States. 1894.....379.7 P14

RICE, Joseph M.

Public-school system of the United States. 1893.....379.7 R39
 Personal investigation of school systems, methods of teaching, and results in 36 cities; severe criticism with excellent recommendations.

UNITED STATES—Education bureau.

Circulars of information for July 1871–1878, 1880–date.

1871–date.....r379.7 U25c

For contents see contents book, v.1, p.120; kept at the reference desk.

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Report of the commissioner, for the year 1867/68–date.

1868–dater379.7 U25

Report for 1867/68 will be found in the sheep bound set of congressional documents, no.1345.

No annual report was issued for 1869.

Reports for 1867/68–1887/88 are indexed in the report for 1888/89, v.2.

ZIMMERN, Alice.

Methods of education in the United States. 1894.....379.7 Z65

ROSS, George William.

School system of Ontario. 1896. (International education series.)379.71 R73

BURTON, Warren E.

The district school as it was; ed. by Clifton Johnson.

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JOHNSON, Clifton.

Country school in New England. 1895.....379.74 J35

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HARRIS, William Torrey.

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Life and works. 5v. 1891.....379.744 M33

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v.2. Annual reports of the secretary of the Board of education of Massachusetts, 1837–1838.—First annual report of the Board of education.—Lectures on education, including a chapter On district-school libraries.

v.3. Annual reports of the secretary of the Board of education of Massachusetts, 1839–1844.

v.4. Annual reports of the secretary of the Board of education of Massachusetts, 1845–1848.—Oration delivered before the authorities of Boston, July 4, 1842.

v.5. Educational writings, containing contributions to the Common school journal.—Addresses of the president of Antioch college.—Review of Horace Mann's work and writings, by Félix Pécaut.

MARTIN, George Henry.

Evolution of the Massachusetts public school system; a historical sketch. 1894. (International education series.)..379.744 M42

MASSACHUSETTS—Education board.

Annual report, (15th–17th, 20th–23d, 26th, 28th–31st, 34th–36th, 38th–39th, 49th–50th, 52d–53d, 57th–59th, 61st–date). 1849–date.....r379.744 M45

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50th report contains a General index to the 1st–50th reports, 1838–1887.

Massachusetts system of common schools: being an enlarged and revised edition of the Tenth annual report

of the first secretary of the Massachusetts board of
education [Horace Mann]. 1849.....r379.744 M45m

Rhode Island. Connecticut

RHODE ISLAND—Education board.

Annual report (24th), 1893. 1894.....r379.745 R38
Contains also the annual report of the commissioner of public schools
for the school year ending Apr. 30, 1893.

CONNECTICUT. common school journal, published under the
direction of the Board of commissioners of common
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No more published.

New York

NEW YORK (state)—Public instruction department.

Annual report (42d) of the superintendent, for the school
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NEW YORK (state)—University.

Annual report (106th–date) of the regents, for the year
ending Sept. 30, 1892–date. 1893–date.....r379.747 N26i4

NEW YORK (state)—University—Examination department.

Annual report (2d–5th), for the year ending June 30,
1894–1897. 1895–98.....r379.747 N26i3
The first annual report of the examination department will be found in
pt. 2 of the 107th annual report of the regents.
The work of this department, since 1897, has been carried on by the
college department.

NEW YORK (state)—University—High school department.

Annual report (6th–date), for the year ending June 30,
1898–date. 1899–date.....r379.747 N26i5
Reports for 1892–97 will be found in the regents' report for the same
years, r379.747 N26i4.

NEW YORK (city)—Education board.

Annual report (40th, 42d) of the Board of education of
the city and county of New York, 1881, 1883. 1882–
84r379.747 N26
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of education.

Journal, Feb. 21–Dec. 28, 1898. 1898.....r379.747 N26j

NEW YORK (city)—Education department.

Annual report (1st–date) of the Department of education
of the city of New York, for the year ending July 31,
1898–date. 1898–date.....r379.747 N26d
Created by the charter of 1897, superseding the Board of education.

Pennsylvania

ALLEGHENY, Pa.—Controllers, Board of.

Annual report (33d, 37th, 46th) of the Board of controllers;
with the annual report (14th, 18th, 27th) of the superin-
tendent of public schools, for the school year ending
June 1, 1887, 1891, 1900. 1887–1900.....r379.748 A42

ALLEGHENY, Pa. Third ward school.

Reunion, Sept. 25, 1896. 1896.....r379.748 A4222

PENNSYLVANIA—Public instruction department.

Report (27th-date) of the superintendent of public instruction, for the year ending June 1, 1860-date. 1861-dater379.748 P39

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The report for 1874 will be found in Executive documents, 1874, r328.74 P39c.

PITTSBURGH—Education, Central board of.

Annual report (1st-date) of the superintendent of public schools, for the school year ending Aug. 31, 1869-date.

v.1-date. 1869-date.....r379.748 P67

The 27th annual report was not published, but the statistics for that year will be found in the 28th annual report, p.65.

Title for the 12th-28th reports is "Annual report of the condition of the public schools;" later reports are called "Reports concerning the public schools."

Educational directory of the Pittsburg public schools,

1895/96, 1899/1900-1900/01, 1902/03. 1895-1902.....r379.748 P67e

PITTSBURGH CENTRAL HIGH SCHOOL.

High school journal; monthly. v.1-date. 1895-date..qr379.748 P674
v.1 was published weekly.

District of Columbia**DISTRICT OF COLUMBIA—Public schools, Board of trustees of.**

Report, 1895/96-date. 1897-date.....r379.753 D63

Report for 1897/98 will be found in the Annual report of the commissioners of the District of Columbia, 1897/98, r352 D63.

UNITED STATES—District of Columbia committee.

Report under S. R. 140, directing committee to investigate course of studies in the public schools of the District, submitting amendment to H.R. 9139, making appropriations for District, 1901, to establish department of public schools. March 23, 1900. 1900. (56th cong. 1st

sess. Senate. Report, no.711.).....r3889

Investigation by Congress of the management, methods of instruction and courses of study, with the testimony of trustees, teachers and citizens, and the conclusion reached by the committee. Also articles by W. T. Harris and others, summary of laws relating to school boards in other cities, schedules of salaries, etc., and some interesting sample examination papers.

UNITED STATES—Education bureau.

Special report on the condition and improvement of public schools in the District of Columbia. 1871. (41st

cong. 2d sess. House. Ex. doc. no.315.).....r1427

Accompanying the report are various documents on the system and statistics of the principal cities of the United States and Germany, (with some account of other European schools), on the education of negroes, on art instruction, etc.

Chicago. Milwaukee**CHICAGO—Education board.**

Annual report (45th), for the year ending June 23, 1899.

1900r379.773 C43

MILWAUKEE—School board.

Annual report (33d-42d), for the year ending Aug. 31,
1892-1901. 1892-1901.....r379.775 M72

Alaska**JACKSON, Sheldon.**

Report on education in Alaska, 1886, 1889/90, 1891/92, 1895/96.
1886-97r379.798 J12
This report from 1886/87-date is also published in the report of the
United States commissioner of education, 1886/87-date, r379.7 U25.

380 Commerce**ANDERSON, Adam.**

Historical and chronological deduction of the origin of
commerce, containing an history of the commercial in-
terests of the British empire; revised and continued to
1789 by Mr Coombe. 6v. 1790.....r380 A54
"Not merely a record of commercial progress and colonial enterprise,
but a history of the political, industrial, and social development of all
civilised countries, and especially of Great Britain and Ireland. Ab-
stracts of all treaties, acts of parliament, and pamphlets in any way
bearing on commerce or kindred matters, are added, together with
statistical accounts of the national finances, of prices, currency, and
population." *Francis Espinasse.*

BARTON, James L.

Lake commerce; letter to Robert M'Clelland in relation to
the value and importance of the commerce of the great
western lakes. 1846.....r380 U253a
Bound with other pamphlets.

CLOW, Frederick Redman.

Introduction to the study of commerce. 1901.....r380 C62
Contents: The elements of commerce.—The materials of commerce;
merchandise.—The foreign commerce of the United States.—The com-
merce of other countries.—The domestic commerce of the United
States.—The organization of trade.—Prices.—Payments.—How the
equilibrium is maintained.—Practical devices for promoting or regu-
lating commerce.
List of books on commerce, p.23-26.

COMMERCIAL year book; a statistical and historical rec-
ord relating to trade, industries, agriculture, banking,
currencies, securities, railroads, shipping, insurance,
population, etc. v.1-date. 1896-dater380 C73

CONFEDERATE STATES OF AMERICA—Treasury de-
partment.

Annual report on commerce and navigation, for the year
ending Sept. 30, 1863. 1864.....r973.7 C74
Bound with other pamphlets.

CUNNINGHAM, William, b. 1849.

Growth of English industry and commerce. 2v. 1890-92...r380 C92
The same. 1882.....r380 C92
"Authorities," p.473-482.

FARRER, Sir Thomas Henry.

State in its relation to trade. 1883. (English citizen series.)...r380 F25

- GIBBINS, Henry de Bettgens.
History of commerce in Europe. 1891.....380 G35
- HEWINS, William Albert Samuel.
English trade and finance, chiefly in the 17th century. 1892.
(University extension series.).....380 H49
- INTERNATIONAL COMMERCIAL CONGRESS, Philadelphia, 1899.
Official proceedings of the congress; a conference of all nations
for the extension of commercial intercourse; held under the
auspices of the Philadelphia commercial museum, in Philadelphia,
October 12th to November 1st, 1899. 1899.....qr380 I24
- KAYSER, J.C. & CO. *pub.*
Commercial directory of the United States. 1823.....qr380 K14
- LOUIS, Paul.
La guerre économique. 1900r380 L92
Contents: Notre décadence commerciale.—La crise commerciale du Royaume-Uni.—L'empire britannique.—L'essor économique de l'Allemagne.—L'Europe latine.—De quelques petits états.—La Russie industrielle.—Deux pays neufs (l'Argentine, le Transvaal).—La grandeur des Etats-Unis.—L'extrême Orient.—L'évolution économique du globe.
- MCCULLOCH, John Ramsay, *comp.*
Dictionary, practical, theoretical and historical, of commerce
and commercial navigation. 1835.....r380 M14
"An admirable compendium of information on all matters connected
with commercial transactions, based on consular reports and other
exact statistics, embodying the results of researches extending over
twenty years; it held throughout McCulloch's life, and still retains,
the rank of a work of authority." *J. M. Rigg.*
- MEENEN, Maurice van, *comp.*
Nouveau code de commerce et lois usuelles en matière commerciale
actuellement en vigueur en Belgique. 1882.....r380 M56
- NATIONAL ASSOCIATION OF MANUFACTURERS OF
THE UNITED STATES.
Proceedings of the annual convention (1st, 5th—date),
1896, 1900—date. 1896—date.....r380 N15
- O'ROURKE, Charles A.
Congreso internacional americano; paseo de los delegados,
objeto del congreso. 1890.....qr380 O28
- PITKIN, Timothy.
Statistical view of the commerce of the United States.
1817r380 P66
The same. 1817.....380 P66
- POSTLETHWAYT, Malachy.
Great-Britain's commercial interest explained and improved
in a series of dissertations on the most important branches
of her trade and landed interest. 2v. 1759.....r380 P84
- UNITED STATES—American republics bureau.
Annual report (1st-10th), 1891-1900. 1891-1900.....r380 U2534
1st, 7th and 9th reports will be found in v.1, pt.1, v.11 and v.13 of the
Bulletin of the bureau, 1918 A51.
3d and 5th reports will be found in the sheep bound set of congressional
documents, no.3160, 3425.
Monthly bulletin. v.1—date. 1893—date.....r380 U2534m
v.1 lacks nos.7 and 10; v.3 lacks all nos. except 1-3.

UNITED STATES—Foreign commerce bureau.

Review of the world's commerce; introductory to Commercial relations of the United States with foreign countries, 1894/95–date. 1896–date.....r380 U25
 Compiled from reports of U. S. consuls and other sources, including the official publications of the Treasury department, and of various foreign governments. Is also to be found at the beginning of the report on Commercial relations, qr382 U25c.

UNITED STATES—Transportation-routes to the seaboard, Committee to investigate the.

Report; with appendix and evidence. 2v. 1874. (43d cong. 1st sess. Senate. Report no.307.).....r380 U253

UNITED STATES—Transportation-routes to the seaboard, Select committee on.

Report [recommending the regulation of interstate commerce, and the creation or improvement by the national government of four routes of communication]; with appendix. 1881.....r380 U2533

WESTERN STATES COMMERCIAL CONGRESS, Kansas

City, Mo.

Proceedings of the 1st congress, Apr. 14–17, 1891. 1891....r380 W56

YEATS, John.

The growth and vicissitudes of commerce in all ages. 1887...380 Y22g

The natural history of the raw materials of commerce. 1887...380 Y22

Considers the physical conditions and the raw produce, animal, vegetable and mineral, of the United Kingdom, the British colonies and their foreign trade connections. Part II deals with the commercial products of the animal and vegetable kingdoms, and with raw mineral produce.

"Dr. Yeats has the knack of writing popularly upon scientific subjects, and of presenting wide generalizations in a manner at once sober and attractive," *Athenaeum*, 1888.

Recent and existing commerce. 1887.....380 Y22r

Deals with the condition of British industry and trade at the present (1887) day, particularly in relation to agriculture; with British foreign and colonial relations and the commercial policy by which these should be guided; and with what the author calls "The natural divisions of trade throughout the world."

381 Domestic trade**CHICAGO, BOARD OF TRADE.**

Annual report (38th, 40th–date) of the trade and commerce of Chicago, for the year 1895, 1897–date. 1896–date....r381 C43

CINCINNATI, CHAMBER OF COMMERCE.

Annual report (41st–42d, 48th), for two years ending Aug. 31, 1890 and for the year ending Dec. 31, 1896.

1891–97qr381 C48

NEW YORK (state), CHAMBER OF COMMERCE.

Annual report (25th), for the year 1882–83. 1883.....r381 N26

PHILADELPHIA, BOARD OF TRADE.

Annual report (5th, 14th, 27th) of the Philadelphia Board of trade, for 1837, 1846, 1859. 1838–60.....r381 P49

PITTSBURGH, CHAMBER OF COMMERCE.

Year book and directory for 1895/96–date. 1895–dater381 P67

Year book for 1900 is wanting.

TUNELL, George Gerard.

Statistics of lake commerce; a report made to the Bureau of statistics, Feb. 3, 1898. 1898. (United States—Statistics bureau.).....r381 T84

382 Foreign trade

ANDREWS, Israel D.

Report on the trade and commerce of the British North American colonies and upon the trade of the Great Lakes and rivers. 1853. (United States. 32d cong. 2d sess. House. Ex. doc. no.136.).....r382 A56

Contents: The sea-fisheries of British North America.—The trade of the Great Lakes.—Review of the canals and railroads of the United States.—Canada; physical features, resources, etc.—New Brunswick.—Nova Scotia.—Newfoundland. — Intercourse between Great Britain and her North American colonies.—Trade of some of the Atlantic ports of the United States with the North American colonies.—Review of the present state of the deep-sea fisheries of New England.—French fisheries of Newfoundland.

BOWLEY, Arthur Lyon.

Short account of England's foreign trade in the 19th century. 1893. (Social science series.).....382 B66

CHAPMAN, Sydney John.

History of trade between the United Kingdom and the United States, with special reference to the effect of tariffs. 1899. (Social science series.).....382 C36

CURTIS, William Eleroy.

Trade and transportation between the United States and Spanish America. 1889. (United States—State department.).....r382 C93

DAVIDSON, John, M. A.

Commercial federation and colonial trade policy. 1900. (Social science series.)382 D29

Deals with the dominant question in colonial policy, that of markets and consumers. Maintains that commercial federation may best be accomplished by removing natural obstacles to trade with the colonies and even by subsidies to freight steamers running to colonial ports.

ENGLAND—Trade board.

Annual statement of the trade of the United Kingdom with foreign countries and British possessions, 1898, compared with the four preceding years; comp. at the custom house from documents collected by that department. 1899.....qr382 E64

KELLY'S directory of merchants, manufacturers and ship-

pers, and guide to the export and import, shipping and manufacturing industries of the world, 1900. 1900..qr382 K17

"Intended to bring together...not only the names of the manufacturers, merchants, exporters, etc., of the United Kingdom trading with the colonies and abroad, but also those of all the more important foreign merchants (whether importers or exporters), and further, those of the manufacturers of the principal goods imported into the United Kingdom." *Preface.*

TIPPER, Henry.

England's attainment of commercial supremacy. 1897.....382 T49

UNITED STATES—Foreign commerce bureau.**Commercial relations of the United States with foreign**

countries, 1855–date. 1856–date.....qr382 U25c

No volume of this set issued for 1894. Commercial relations for 1894 will be found partly in volume for 1893 and partly in volume for 1895. The reports for 1855 and 1869 will be found in the sheep bound set of congressional documents numbered 844 and 1452.

Annual reports of consular officers on the commerce and industries of their respective districts. "Is wholly distinct from the daily and monthly publication, Consular reports, the latter dealing with current subjects of importance, while Commercial relations deals only with annual reports and statistics."

Included with these reports is an introductory review of the commerce of the world, compiled from them and from other sources, including the official publications of the Treasury department, and of various foreign governments. This is also published separately as "Review of the world's commerce."

Consular reports, monthly, Oct. 1880–date. v.1–date.

1880–date.r382 U25

—Index, nos.1–59. 1887.

—Index, nos.60–111. 1890.

—Index, nos.152–203. 1897.

—Index, nos.204–239. 1901.

No.56, Sept. 1885 will be found in the sheep bound set of congressional documents, no.2413.

v.1–42 title reads Reports from the consuls of the United States on the commerce, manufactures, etc. of their consular districts.

Exports declared for the United States during the four

quarters of the year ended June 30, 1899–date. 1900–

dater382 U25c

Single numbers have the title "Exports declared for the United States during the quarter ending," &c.

Special consular reports. v.1–date. 1890–date.....r382 U25s

For contents see contents book, v.2, p.263; kept at the reference desk.

UNITED STATES—Foreign markets section.

Bulletin. no.1–date. 1895–date.....r382 U2533

For contents see contents book, v.2, p.237; kept at the reference desk.

UNITED STATES—Insular affairs division.

Monthly summary of commerce of Cuba, with comparative tables of imports and exports, by articles and countries,

July–Dec. 1899, Mar. 1900–date. no.1–6, 9–date. 1900–

dateqr382 U2534m

Monthly summary of commerce of the island of Puerto Rico,

with comparative tables of imports and exports, by

articles and countries, July 1899–Apr. 1900. no.1–10.

1900qr382 U2534mo

Monthly summary of commerce of the Philippine islands,

with comparative tables of imports and exports, by arti-

cles and countries, July 1899–date. no.1–date. 1900–

dateqr382 U2534

UNITED STATES—Statistics bureau.

Annual report on the commerce and navigation of the

United States, 1837–1842, 1849–date. 1837–date.

(Treasury department.).....qr382 U253c

Title of later reports is "Foreign commerce and navigation of the United States."

Reports for 1837–42 and 1871 will be found in the sheep bound set of congressional documents numbered respectively, 330, 342, 369, 379, 399, 425 and 1512.

Pt.2 of reports for 1876, 1879–80, 1882, 1884–87, 1889–91 is on Internal commerce of the United States.

- Pt. 2 of reports for 1893-96 is on Immigration and passenger movement at ports of the United States.
- Imported merchandise entered for consumption in the United States during 1890-1893, with rates and amounts of duty collected. 1893.....qr382 U25m
- Monthly summary of commerce and finance, Sept. 1875-date. 1875-date.....qr382 U25m
- Titles vary, being at different times "Summary statement of imports and exports," "Monthly summary of imports and exports," "Monthly summary of finance and commerce," etc.
- Volumes from Sept. 1875 to May 1889 are incomplete.
- Quarterly report showing the imports and exports of the United States, for the four quarters of the year ending June 30, 1877-June 30, 1893. 1878-93.....r382 U25q
- The reports for the years ending June 30, 1879, 1880, 1883, and for the 1st-3d quarters of the year ending June 30, 1886, are wanting.
- Statistical tables exhibiting the commerce of the United States with European countries from 1790 to 1890. 1893.....r382 U25st
- Wool and the manufactures of wool; special report relating to the imports and exports of wool and its manufactures, also the tariff duties from 1789. 1887.....r382 U25w
- UNITED STATES—Treasury department.
- Digest of the existing commercial regulations of foreign countries with which the United States have intercourse. 3v. 1833-36.....r382 U25j
- Statistics of the foreign and domestic commerce of the United States communicated in answer to a resolution of the Senate, March 12, 1863, embracing a historical review and analysis of foreign commerce from the beginning of the government. 1864.....r382 U253s

383 Post-office

See also United States post-office department, 353.4

- ARGENTINE REPUBLIC—Dirección general de correos y telégrafos.
- Antecedentes administrativos de correos y telégrafos, 1893-1894. 4v. 1894-95. (Publications.).....r383 A69i
- Códigos postal y telegráfico. 3v. 1895.....r383 A69
- CUSHING, Marshall.
- Story of our post office. 1893.....r383 C93
- LEECH, D.D.T. *comp.*
- Post office directory; also a comprehensive codification of the existing postal laws. 1856.....r383 L52
- UNITED STATES—Post-office department.
- Report of the United States postal committee on the condition and needs of the postal service in Cuba. 1899.....r383 U25

383.1 Philately*

- TIFFANY, John Kerr, *comp.*
- Philatelical library; a catalogue of stamp publications.
- 1874qr383.1 T45

*This collection of books on philately consists chiefly of the library of the American philatelic association, donated in trust to the Carnegie library of Pittsburgh.

383.2 Handbooks

- BAKER, W.H. comp.**
Cyclopædia of philately. 1887.....r383.2 B17
- BROCK, Robert C. H. comp.**
History and description of the Sydney view stamps of
New South Wales. 1890.....r383.2 B76
- BROWN, William, comp.**
Reference list of the stamps of the Straits Settlements, sur-
charged for use in the native protected states. 1894...qr383.2 B798
Reprinted with additions and corrections from the Philatelic journal of
Great Britain.
- DIENA, Emilio.**
I francobolli del ducato di Modena e delle provincie modenesi
e le marche del ducato stesso pei giornali esteri. 1894...r383.2 D57f
Les timbres-poste des Romagnes. 1898.....r383.2 D57
- EGAN, Charles W.**
Stamp collector's hand-book; a lexicon of terms and practical
hints to philatelists; ed. by C. W. Kissinger. 1894.....r383.2 E34
- EVANS, Edward Benjamin, comp.**
Philatelic handbook; a guide for collectors. 1885.....r383.2 E94
- FIRTH, Oliver.**
Postage stamps and their collection. 1897383.2 F52
- HARDY, William John, & Bacon, E.D.**
Stamp collector. 1898. (Collector series.)383.2 H26
Bibliography, p.276-282.
- HORNER, W.E.V.**
Stamped envelopes of the United States; revised and con-
tinued by E. B. Hanes. 1889.....qr383.2 H81
- LEITFADEN der briefmarken-kunde für angehende postwert-
zeichen-sammler.** 1891 r383.2 L56
- LOCKYER, Gilbert E. comp.**
Colonial stamps, also those of Great Britain; lists of the
various postal issues, watermarks and perforations, with
geographical and other notes. 1887.....r383.2 L76
- LONDON, PHILATELIC SOCIETY.**
Postage stamps, envelopes and post cards of Australia and
the British colonies of Oceania. 1887.....qr383.2 L82
- LUFF, John Nicholas.**
What philately teaches. 1899.....r383.2 L97
- SCOTT, John Walter, ed.**
Revised list of the postage stamps and stamped envelopes of
all nations. 1879.....qr383.2 S42
Contains an appendix on United States locals.
- SUPPANTSCHITSCH, Victor.**
Grundzüge der briefmarkenkunde und des briefmarkensammeln.
1895r383.2 S95
- TIFFANY, John Kerr.**
History of the postage stamps of the United States. 1887...r383.2 T45

WESTOBY, William A.S.

Adhesive postage stamps of Europe; a practical guide to their collection, identification and classification. 2v. 1898-

1900383.2 W57
 v.1. Alsace to Ionian islands.
 v.2. Italy to Würtemberg.

383.3 Catalogues

ALBRECHT, R.F. & CO. *pub.*

Auction prices; an epitome of the prices realized for postage stamps at R. F. Albrecht & co.'s auction sales during four seasons, 1892-95. 1895.....qr383.3 A34

AMERICAN PHILATELIC PUBLISHING CO.

"Our catalogue;" the standard American catalogue of all the postal issues of the entire world, with the revenue stamps of the United States and Canada. 1894.....r383.3 A51

BROWN, Mount, *comp.*

Catalogue of British, colonial and foreign postage stamps. 1864r383.3 B79

CHAMPION, Adrien, *comp.*

Catalogue complet; descriptif de tous les timbres-poste, télégraphes et entiers, indiquant la valeur de chaque timbre. .r383.3 C35

DURBIN & HANES, *comp.*

Descriptive catalogue of the postage stamps and stamped envelopes of all nations. 15th, 17th-18th edition. 1885-91.r383.3 D93

GIBBONS, (Stanley) & CO. *pub.*

Priced catalogue of stamps. 3v. 1897.....r383.3 G36
 v.1. British empire.
 v.2. Foreign countries.
 v.3. Envelopes, post cards, etc.

KOHL, Paul, *comp.*

Illustrierter katalog der freimarken von Europa, 1895. 1895r383.3 K36

MEKEEL, (C. H.) STAMP AND PUBLISHING CO.

Complete standard catalogue of the postage stamps of the world, Jan. 1, 1895. 1895.....r383.3 M57

MOENS, Jean Baptiste, *comp.*

Catalogue prix-courant de timbres-poste. 3v. in 2. 1892-93qr383.3 M76
 v.1. Timbres-poste et télégraphes.
 v.2. Enveloppes, bandes, cartes et mandats.

MOSCHKAU, Alfred, *comp.*

Handbuch für postmarken-sammler; illustrirter katalog aller bis ende 1887 erschienenen postmarken, couverte und streifbänder, viele erläuternde anmerkungen, hinweise auf fälschungen und neudrucke und bei 2000 marken-abbildungen enthaltend. 1888. (Philatelistische bibliothek.).....r383.3 M93
 Contains a supplement bringing the issues down to 1890.

ROGERS, Albert R. *comp.*

Priced catalogue of the market values, May 2, 1892, of the

- postage stamps of the United States, "government issues."
 1892r383.3 R61
- SCOTT STAMP AND COIN CO.
 Standard postage stamp catalogue, 1893-date. 53d edition-
 date. 1893-date.....r383.3 S42
 60th edition, 1901, wanting.
- SENF BROS.
 Illustrierter postwertzeichen-katalog, 1893-1895. 1893-95..r383.3 S47
- SEVER & FRANCIS, *pub.*
 Catalogue of postage stamps, American and foreign, and
 U. S. revenue stamps. 1863.....r383.3 S49
- THORNHILL, W.B.
 Shanghai, with notes and publishers' prices. 1895. (Stanley
 Gibbons philatelic handbooks.).....r383.3 T41
- WILLADT, Carl, *pub.*
 Lager-preisliste. no.5. 1900r383.3 W73
- WOLSIEFFER, P.M. *comp.*
 Our catalogue; the standard American catalogue of all postal
 issues of the world, with the revenue stamps of the United
 States and Canada. 3v. in 1. 1894r383.3 W84
 Wolsieffer's auction sale priced catalogues of rare stamps.
 20v. in 1. 1897-1900.....r383.3 W84w

383.5 Periodicals

- AMERICAN journal of philately; monthly, Mar. 1868-Dec.
 1869, Sept. 3-Nov. 19, 1870, Jan. 1871-Oct. 1872, Jan.-Dec.
 1874, 1888-date. 1st series, v.1-5, 8; 2d series, v.1-date.
 1868-dater383.5 A512
 Publication discontinued from 1878 to 1888, when a new series begins.
 v.3 is incomplete, consisting of the weekly issues from Sept. 3 to Nov.
 19, 1870, only. v.5 lacks numbers for Nov. and Dec.
- AMERICAN philatelist; monthly, 1887-date. v.1-date. 1887-
 dateqr383.5 A51
 With v.8 this is issued annually, and title reads American philatelist
 and year book of the American philatelic association.
 Contains official circulars from Nov. 1886 to June 1887, no.1-4, and
 monthly circulars from Sept. 1893 to Aug. 1895.
- AMERICAN stamp mercury; monthly, Oct. 1867-Mar. 1871.
 4v. in 2. 1867-71.....r383.5 A5122
 No more published.
 v.2-3 title reads American stamp mercury and numismatist.
- BOSTON stamp book; the official organ of the Boston phila-
 telic society; monthly, May 1895-May 1898. v.1-3.
 1895-98r383.5 B64
- CAPITAL city philatelist; monthly, Dec. 1884-Sept. 1886. v.1-
 v.2, no.10, in 1. 1884-86.....r383.5 C18
 No more published.
- CARSON philatelist; monthly, Sept. 1885-Dec. 1886. 2v. in 1.
 1885-86qr383.5 C23
 No more published.
- COLLECTOR'S companion; issued monthly in the interest of
 philatelists, Jan. 1885-May 1886. 2v. in 1. 1885-86.....r383.5 C69
 No more published.

- COLLECTOR'S** ledger; monthly, Apr. 1888-Mar. 1889. v.4.
1888-89.....r383.5 C695
Earlier volumes have the title Youth's ledger.
- CUMBERLAND** collector; monthly, May 1886-Apr. 1887.
v.1. 1886-87.....r383.5 C91
No more published.
- DETROIT** philatelist; monthly, Apr. 1892-May 1894. v.1-3,
no.1, in 1. 1892-94.....r383.5 D48
No more published.
- ELECTRIC** philatelist; monthly, Feb. 1892-July 1894. v.1-
4, no.3, in 1. 1892-94.....r383.5 E44
- EMPIRE** state philatelist; monthly, Jan. 1885-June 1887.
3v. in 1. 1885-87.....r383.5 E61
No more published.
- FILATELIC** facts and fallacies; monthly, Oct. 1892-Sept. 1901.
9v. 1892-1901.....r383.5 F47
No more published.
- FOREIGN** stamp collectors' news; monthly, Oct. 1883-Sept.
1884. v.1. 1883-84.....r383.5 F76
- HALIFAX** philatelist; monthly. v.1. 1887.....r383.5 H16
- INTERNATIONAL** collector; monthly, June 1887-June 1889.
v.1-5, no.1, in 1. 1887-98.....r383.5 I24
- INTERNATIONAL PHILATELISTEN-VEREIN**, Dresden.
Vertrauliche mittheilung, Jan. 15, 1899. no.21. 1899...qr383.5 P4944
Bound with Der Philatelist.
- INTERNATIONAL** stamp; a semi-monthly in the interests of
stamp collecting, Jan. 23-July 27, 1896. v.1. 1896.....r383.5 I248
- KEYSTONE** philatelic gazette; monthly. v.1-4. 1884-88.....r383.5 K23
v.1, no.9-v.2, no.6, title reads Keystone stamp and coin gazette; v.2, no.
7-v.3, no.6, title reads Stamp and coin gazette; v.3, no.7-v.4, title reads
Philatelic gazette.
- KEYSTONE** state philatelist; monthly, Jan-Oct. 1887. v.1,
no.1-8. 1887.....r383.5 K239
No more published.
- LONDON** philatelist; the monthly journal of the Philatelic
society. v.1-9. 1892-1900.....qr383.5 L82
- LONG** Island philatelist; a monthly magazine, Mar. 1892-Aug.
1893. v.1-2, no.6, in 1. 1892-93.....qr383.5 L824
- MEKEEL'S** weekly stamp news. v.1-date. 1891-date.....qr383.5 M57w
- METROPOLITAN** philatelist; monthly, Apr. 1890-Sept. 1898.
v.1-9. 1891-98.....r383.5 M64
- MOHAWK** standard, advertiser and chronicle; monthly, Mar.
1886-Feb. 1888. v.1-2, in 1. 1886-88.....r383.5 M77
- NATIONAL PHILATELIC SOCIETY OF NEW YORK**.
Bulletin, Jan. 1878-Mar. 1879. no. 1-3. 1878-79.....r383.5 N155
Published irregularly.
- NATIONAL** philatelist; a monthly magazine devoted to the
interests of stamp collectors. v.1. 1883.....r383.5 N15
No more published.
- NEW ENGLAND** philatelist; monthly, Nov. 1884-Oct. 1885.
v.1. 1884-85.....r383.5 N261
No more published.

- NEW** York stamp; a monthly journal, Apr. 1892-Dec. 1895.
 v.1-4, no.6, in 1. 1892-95.....r383.5 N26
 v.1, no.4-v.4, no.6 title reads The stamp.
- PHILATELIC** chronicle and advertiser; monthly, Oct. 1891-
 Sept. 1892, Oct. 1895-Sept. 1896. v.1, 5. 1891-96.....r383.5 P4946
 Consolidated with New York philatelist.
- PHILATELIC** journal of America; an illustrated monthly
 magazine in interest of stamp collecting; ed. by C. H.
 Mekeel, Mar. 1885-Dec. 1888, Jan.-Dec. 1894. v.1-4, 11-12.
 1885-94.....qr383.5 P4942
- PHILATELIC** magazine; monthly, Oct. 1885-June 1887. v.1-
 2, no.9, in 1. 1885-87.....r383.5 P494
 No more published.
- PHILATELIC** monthly, Feb. 1875-Dec. 1898. v.1-24, in 3.
 1875-98.....r383.5 P49
 v.18-24 title reads Philatelic monthly and world.
- PHILATELIC** record; monthly, Feb. 1879-Dec. 1891, 1895,
 1897-1899. v.1-13, 17, 19-21. 1879-99.....r383.5 P4945
 Nov. 1895 and Nov. 1899 wanting.
 v.19-21 title reads Philatelic record and stamp news.
- PHILATELIST**; illustrated magazine for stamp collectors;
 monthly, Dec. 1866-Dec. 1872. v.1-6. 1867-72.....r383.5 P4947
- Der PHILATELIST**; organ für postwerthzeichenkunde; vereins-
 zeitung des Internationalen philatelisten-vereins Dresden
 und seiner sectionen; semi-monthly and monthly, 1888-
 1889, 1897-1899. v.9-10, 18-20, in 2. 1888-99.....qr383.5 P4944
- POST** office; a monthly journal for stamp collectors; Apr. 1891-
 Dec. 1899. v.1-9. 1892-99.....r383.5 P84
- QUAKER** city philatelist; monthly, Jan. 1886-July 1894. v.1-
 9, no.7, in 2. 1886-94.....qr383.5 Q16
- STAMP**; monthly, Mar. 1886-Apr. 1889. v.1-4, no.2, in 1.
 1886-89.....r383.5 S7832
- STAMP** collector; monthly, July-Aug. 1886. v.1, no.1-2.
 1886.....r383.5 K239
 No more published.
 Bound with Keystone state philatelist.
- STAMP** collectors' Figaro; monthly, Mar.1887-Feb.1891. v.1-5,
 no.4, in 1. 1888-91.....qr383.5 S7833
 v.5, no.3-4, title reads The stamp collector.
- STAMP** collector's monthly. v.1. 1872.....r383.5 S783
- STAMP** world; monthly, Oct. 1880-Feb. 1887. 7v. in 1. 1881-
 87.....r383.5 S78
 No more published.
- STANLEY** Gibbons monthly journal, July 1890-June 1900. v.1-
 10. 1890-1900.....qr383.5 S787
- Le TIMBRE**-poste; journal du collectionneur; monthly. v.1-12,
 32, 37, in 10. 1863-99.....r383.5 T47
 v.32, 37 title reads Le timbre-poste et le timbre fiscal.
- TRIFET**, F.
 Monthly circular, Jan. 1874-May 1879. 6v. in 1. 1874-79..r383.5 T73
 No more published.
 v.2-4, no.11 title reads F. Trifet's monthly stamp circular and price cata-
 logue; v.4, no.12-v.6 title reads Monthly stamp circular.
- WEEKLY** philatelic era. v.12-date. 1897-date.....qr383.5 W427

WEEKLY philatelist, Nov. 16, 1892-Sept. 12, 1894. v.1-2, in 1.
1892-94.r383.5 W42

383.7 Directories

DAVISON PUBLISHING CO.

Philatelic concordance and address book, also a directory of
stamp collectors. 1895.....r383.7 D32

MEKEEL, (C. H.) STAMP AND PUBLISHING CO.

Stamp collectors' and dealers' address book. 1889.....r383.7 M57

The same. 1891.....r383.7 M57a

ROGERS, Albert R. *pub.*

American philatelic blue book; containing a list of stamp
collectors and dealers, philatelic papers and societies.
1893r383.7 R61

383.8 History and miscellany

AMERICAN PHILATELIC ASSOCIATION.

Catalogue of the loan exhibit of postage stamps to the United
States post office department at the World's Columbian
exposition, Chicago, 1893. 1893.....r383.8 A51

EARÉE, Robert Brisco.

Album weeds; or, How to detect forged stamps. 1882....r383.8 E17

PHILO, *pseud.*

Bluffton stamp society; a story for young stamp collec-
tors. 1887.....r383.8 P51

ROBIE, Lewis.

Stamp hunting. 1898.....r383.8 R54

SCRAP-BOOK of newspaper clippings on philately. 2v..qr383.8 S43

BOSTON PHILATELIC SOCIETY.

Historical reference list of the revenue stamps of the United
States, including the private die proprietary stamps; comp.
by G. L. Toppan, H. E. Deats and Alexander Holland, a
committee of the Boston philatelic society. 1899.....qr383.9 B64

HUBBARD, Gardiner Greene.

Memorial on the postal telegraph system. 1871. (United
States. 41st cong. 3d sess. House. Mis. doc. no.39.)....r1462

385 Railroads

See also Railroad engineering, 625; and Transportation, 656

ADAMS, Charles Francis, b. 1835, & Henry.

Chapters of Erie, and other essays. 1886.....385 A21

Contents: A chapter of Erie, by C. F. Adams.—New York gold con-
spiracy, by Henry Adams.—An Erie raid, by C. F. Adams.—Capt.
John Smith, Bank of England restriction, British finance in 1816, by
Henry Adams.—Legal-tender act, by F. A. Walker and Henry Adams.
—The railroad system, by C. F. Adams.

BALTIMORE AND OHIO RAILROAD CO.

Memorial of the president and directors to Congress ask-
ing that a subscription, on the part of the United States,

- to the stock of the company, be authorized. [1829.]....r380 F12
Bound with other pamphlets.
- Report from the president and directors to the executive of
the state of Maryland, Dec. 20, 1831. 1831.....r380 F12
Bound with other pamphlets.
- BALTIMORE AND SUSQUEHANNA RAILROAD CO.**
Annual report (9th) of the president and directors to the
stockholders, Oct. 1836. 1836.....r380 D24
Bound with other pamphlets.
- CLEVELAND AND PITTSBURGH RAILROAD CO.**
Report of the chief engineer on the location and estimates
of cost of the Cleveland and Pittsburgh railroad; accom-
panied by the report of A. C. Twining, consulting engi-
neer, and the statement of the president and directors to
the stockholders of the company. 1849.....r380 U2532
The chief engineer making this report was George R. Eichbaum.
Bound with other pamphlets.
- COWLES, James Lewis.**
General freight and passenger post. 1896.....385 C84
- DABNEY, Walter Davis.**
Public regulation of railways. 1889. (Questions of the day.)...385 D11
- DANA, William B. CO. pub.**
Hand-book of railroad securities, 1898; description, in-
come, prices, dividends. 1898.....r385 D19
- DANVILLE AND POTTSVILLE RAILROAD CO.**
Report of the chief engineer; with a report of the president
and managers to the stockholders, Jan. 1833. 1833.....r380 F12
Bound with other pamphlets.
- DARBY, William.**
Atchafalaya railroad. 1836.....r380 D24
Bound with other pamphlets.
- DIXON, Frank Haigh.**
State railroad control, with a history of its development in
Iowa. 1896. (Library of economics and politics.).....385 D64
The author's conclusion is that "a combined system of national and
state control, instead of weakening the power of state boards, would,
in fact, strengthen their authority by removing the embarrassments
under which they now suffer from the problems of interstate com-
merce with which they are constantly besieged."
- DOS PASSOS, John Randolph.**
Inter-state commerce act. 1887. (Questions of the day.)...385 D74
- EICHBAUM, George R.**
Report upon the surveys, location and estimates of the Cleve-
land and Pittsburgh railroad; to which is appended the
charter of the company. 1847.....r380 U2532
Bound with other pamphlets.
- EXPERIMENTS** on railroads in England; illustrative of the
safety, economy and speed of transportation, which this
system, as now improved, is capable of affording. 1829....r380 F12
Bound with other pamphlets.
- FACTS** and arguments in favour of adopting railways in prefer-
ence to canals in Pennsylvania; to which are added a few
remarks on the subject of internal improvements. Ed. 3.

- 1825r380 F12
The same. Ed. 4. 1825.....r386 P39
 Bound with other pamphlets.
- HADLEY, Arthur Twining.**
 Railroad transportation. 1895.....385 H12
 "Outlines the development of the modern transportation systems of Europe and America, and goes to the very heart of the problems of combination, competition, management and legal regulation. Its great number of citations and bibliographical references...put the reader on the track of the entire literature of railroad economics."
Dial, 1885.
- HAINES, Henry Stevens.**
 American railway management; addresses delivered before the American railway association, and miscellaneous addresses and papers. 1897.....385 H15
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v.25 contains 2 supplements, entitled Die gesetze der doppelbrechung des lichts in comprimierten oder ungleichförmig erwärmten unkrySTALLINISCHEN körPERN, von F. E. Neumann, and Darstellung der bevölkERUNGS-, geburts-, ehe- und sterblichkeits-verhältnisse, von J. G. Hoffmann.

v.38 contains 2 supplements, entitled Darstellung der wärme-erscheinungen durch fünftägige mittel von 1782 bis 1855, mit besonderer berücksichtigung strenger winter, von H. W. Dove, and Die spuren der astekischen sprache im nördlichen Mexico und höheren amerikanischen norden, von J. C. E. Buschmann.

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no.3. Baker, F. C. The mollusca of the Chicago area. 2 pts.

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- Table alphabétique des matières contenues dans l'Histoire & les *Mémoires* de l'Académie royale des sciences, publiée par son ordre et dressée par M. Godin, 1666-1790. 10v. 1734-1809qr506 I24t
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v.7. 1751-1760. v.8. 1761-1770. v.9. 1771-1780.
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v.5-10 title reads *Table générale*.
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Report (1st), covering the time from the organization of the academy in 1894 to June 1899; prepared by W. B. Barrows. 1900r506 M66
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- NATIONAL ACADEMY OF SCIENCES.
Memoirs. v.2-date. 1884-dateqr506 N15
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Annals. 1877-1895. v.1-8. 1879-95r506 N261a
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Annual report (8th-date) of the board of regents, 1853-date. 1854-date.....r506 S66

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From 1884 the report is in 2 volumes, v.2 being the report of the United States national museum.

1st-35th reports, 1846-80, are indexed in Catalogue of publications of the Smithsonian institution (1846-1882), r506 S66ca.

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THOMSON, Thomas.

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WASHINGTON, (D. C.), PHILOSOPHICAL SOCIETY.

Bulletin, 1871-date. v.1-date. 1874-dater506 W27

v.1-10 published by the Smithsonian institution in its Miscellaneous collections, r506 S66m. v.1-3 will be found in v.20, v.4-5 in v.25, and v.6-10 in v.33.
v.10 of the Bulletin contains an index to v.1-10.

YEAR-book of the scientific and learned societies of Great

Britain and Ireland. 1st annual issue-date. 1884-date..r506 Y21

507 Study and teaching

BOSTON SOCIETY OF NATURAL HISTORY.

Guides for science teaching. v.1-3. 1896-98.....507 B64

v.1. Goodale, G.L. Concerning a few common plants.—Phenix, G.P. First lessons in chemistry.—Bowditch, H.P. Hints for teachers of physiology.—Hyatt, Alpheus. About pebbles.—Richards, Mrs E.H.S. First lessons on minerals.—Clapp, H.L. Thirty-six observation lessons on common minerals.—Crosby, W.O. Common minerals and rocks.

v.2. Agassiz, Mrs E.C. First lesson in natural history.—Hyatt, Alpheus. Common hydroids, corals and echinoderms. Commercial and other sponges. The oyster, clam and other common mollusks. Worms and crustacea.

v.3. Hyatt, Alpheus, & Arms, J.M. Insecta.

The same. 1896-98.....r507 B64

CRAMER, Frank.

The method of Darwin; a study in scientific method. 1896..507 C86

GOODE, George Brown.

Origin of the national scientific and educational institutions

of the United States. 1890r507 G62

Reprinted from the Annual report of the American historical association, v.1, p.53-161.

GORE, George.

Art of scientific discovery. 1878.....507 G66

Museums

CARNEGIE INSTITUTE, Pittsburgh—Museum.

Annals. v.1-date. 1901-date.....r507 C21a

Annual report (1st-date) of the director, 1898-date. 1898-

date. (Publications.).....r507 C21

Memoirs. v.1-date. 1901-date.....qr507 C21m

v.1. Diplodocus (Marsh); its osteology, taxonomy and probable habits, with a restoration of the skeleton, by J. B. Hatcher.—Oligocene canidæ, by J. B. Hatcher.

Prize essay contest (1st-date), 1896-date. 1896-date.

(Publications.).....r507 C21p

FIELD COLUMBIAN MUSEUM.

Annual report (1st-date) of the director, 1894/95-date.

1895-date. (Publications; report series.).....r507 F45

LONDON, SOUTH KENSINGTON MUSEUM.

Handbook to the special loan collection of scientific appar-

atus, 1876.....r507 L82

MUSEUMS ASSOCIATION.

Report of proceedings (1st-date), with the papers read at

the annual general meeting, 1890-date. 1890-date.....r507 M98

NEW YORK (state)—Museum.

Annual report (41st-date) of the trustees, 1887-date.

1888-dateqr507 N26

Reports (1st-54th), 1847-1900, are indexed in Bulletin no.66 of the New York state museum, qr507 N26b.

This report contains the reports of the state geologist and paleontologist, the state botanist, and the state entomologist.

For partial contents see contents book, p.206; kept at the reference desk.

New York state museum was called State cabinet of natural history until 1871, and State museum of natural history until 1888.

The Reports on the state geological survey which were begun in 1837 are continued in the Reports and Bulletins of the Museum.

Bulletin, May 1887-date. v.1, no.1-date. 1888-date.....qr507 N26b

Bulletins no.1-69, 1887-1902, are indexed in Bulletin no.66.

v.1, no.1-6. Preliminary list of New York unionidæ, by W. B. Marshall.—Contributions to the botany of the state of New York, by C. H. Peck.—Building stone in the state of New York, by J. C. Smock.—Some New York minerals and their localities, by F. L. Nason.—The white grub of the May beetle, by J. A. Lintner.—Cut-worms, by J. A. Lintner.

v.2, no.7-10. First report on the iron mines and iron-ore districts in the state of New York, by J. C. Smock.—Boleti of the United States, by C. H. Peck.—Beaks of unionidæ inhabiting the vicinity of Albany, N. Y., by W. B. Marshall.—Building stone in New York, by J. C. Smock.

v.3, no.11-12. Salt and gypsum industries of New York, by F. J. H. Merrill.—Clay industries of New York, by Heinrich Ries.

no.13. San José scale, aspidiotus perniciosus, and some other destructive scale-insects of the state of New York, by J. A. Lintner. (In qr507 N26 v.48 pt.1 apx.)

no.14. Geology of Moriah and Westport townships, Essex county, N. Y., by J. F. Kemp. (In qr507 N26 v.48 pt.1 apx.)

no.15. Mineral resources of New York state, by F. J. H. Merrill. (In qr507 N26 v.48 pt.1 apx.)

no.16. Aboriginal chipped stone implements of New York, by W. M. Beauchamp. (In qr507 N26 v.50 pt.1 apx.)

no.17. Road materials and road building in New York, by F. J. H. Merrill. (In qr507 N26 v.50 pt.1 apx.)

no.18. Polished stone articles used by the New York aborigines before and during European occupation, by W. M. Beauchamp. (In qr507 N26 v.51 pt.1 apx.1.)

no.19. Guide to the study of the geological collections of the New York state museum, by F. J. H. Merrill. (In qr507 N26 v.51 pt.1 apx.1.)

no.20. Elm-leaf beetle in New York state, by E. P. Felt. (In qr507 N26 v.52 pt.1 apx.)

no.21. Geology of the Lake Placid region, by J. F. Kemp. (In qr507 N26 v.52 pt.1 apx.)

no.22. Earthenware of the New York aborigines, by W. M. Beauchamp. (In qr507 N26 v.52 pt.1 apx.)

no.23. Fourteenth report on the injurious and other insects of the state of New York, by E. P. Felt. (In qr507 N26 v.52 pt.1 apx.)

no.24. Memorial of life and entomologic work of J. A. Lintner, by E. P. Felt. (In qr507 N26 v.52 pt.1 apx.)

no.25. Report of the state botanist, 1898. (In qr507 N26 v.52 pt.1 apx.)

no.26. Collection, preservation and distribution of New York insects, by E. P. Felt. (In qr507 N26 v.53 pt.1 apx.1.)

no.27. Shade tree pests in New York state, by E. P. Felt. (In qr507 N26 v.53 pt.1 apx.1.)

no.28. Plants of North Elba, Essex county, N. Y., by C. H. Peck. (In qr507 N26 v.53 pt.1 apx.1.)

no.29. Preliminary list of the mammals of New York, by G. S. Miller. (In qr507 N26 v.53 pt.1 apx.1.)

no.30. Petroleum and natural gas in New York, by Edward Orton. (In qr507 N26 v.53 pt.1 apx.1.)

no.31. Fifteenth report of the state entomologist on injurious and other insects of the state of New York, 1899, by E. P. Felt. (In qr507 N26 v.53 pt.1 apx.1.)

v.7, no.32-36. Aboriginal occupation of New York, by W. M. Beauchamp.—Check list of New York birds, by M. S. Farr.—Lower Silurian system of eastern Montgomery county, New York, by E. R. Cumings; Notes on stratigraphy of Mohawk valley and Saratoga

county, New York, by C. S. Prosser.—Clays of New York, by Heinrich Ries.—Sixteenth report of the state entomologist on injurious and other insects of the state of New York, by E. P. Felt.

v.8, no.37-44. Illustrated descriptive catalogue of some of the more important injurious and beneficial insects of New York state, by E. P. Felt.—Key to the land mammals of northeastern North America, by G. S. Miller.—Paleontologic papers, by J. M. Clarke.—Anatomy and physiology of polygyra albolabris and limax maximus and embryology of limax maximus, by G. B. Simpson.—Wampum and shell articles used by the New York Indians, by W. M. Beauchamp.—Hudson river beds near Albany and their taxonomic equivalents, by Rudolf Ruedemann.—Clam and scallop industries of New York state, by J. L. Kellogg.—Lime and cement industries of New York, by Heinrich Ries; Chapters on the cement industry in New York, by E. C. Eckel.

v.9, no.45-48. Guide to the geology and paleontology of Niagara Falls and vicinity, by A. W. Grabau; with a chapter on Post-pliocene fossils of Niagara, by E. J. Letson.—Scale insects of importance and list of the species in New York state, by E. P. Felt.—Aquatic insects in the Adirondacks, by J. G. Needham and Cornelius Betten.—Pleistocene geology of portions of Nassau county and borough of Queens, by J. B. Woodworth.

v.10, no.49-54. Paleontologic papers 2.—Horn and bone implements of the New York Indians, by W. M. Beauchamp.—Catalogue of New York reptiles and batrachians, by E. C. Eckel and F. C. Paulmier.—Report of the state paleontologist, 1901.—17th report of the state entomologist on injurious and other insects of the state of New York, 1901.—Report of the state botanist, 1901, by C. H. Peck.

no.56. Description of the state geologic map of 1901, by F. J. H. Merrill.

no.60. Catalogue of the fishes of New York, by T. H. Bean.

no.61. Quarries of bluestone and other sandstones in the Upper Devonian of New York state, by H. T. Dickinson.

no.62. Natural history museums of the United States and Canada, by F. J. H. Merrill.

no.64. Report of the state entomologist on injurious and other insects of the state of New York, 1902.

no.65. Catalogue of type specimens of paleozoic fossils in New York state museum, by J. M. Clarke.

no.66. Index to publications of the New York state natural history survey and New York state museum, 1837-1902, also including other New York publications on related subjects, by Mary Ellis.

no.67. Report of the state botanist, 1902.

no.68. Aquatic insects in New York state, by J. G. Needham and others.

no.69. Report of the state paleontologist, 1902.

no.70. List of New York mineral localities, by H. P. Whitlock.

no.71. Feeding habits and growth of Venus mercenaria, by J. L. Kellogg.

UNITED STATES—National museum.

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v.1-3 containing no.1-16 may be found in Miscellaneous collections of the Smithsonian institution, v.13, 23-24, r506 S66m.

no.39 is not yet finished; the library has pts.A-P.

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Proceedings, 1878-date. v.1-date. 1879-date.....r507 U25

v.1-23, 1878-1900, are indexed in Bulletin no.51 of the Museum, r507 U25b.

508 Collected works

BOYLE, Robert.

Works. 6v. 1772.....qr508 B67

Life of Robert Boyle, by Thomas Birch, v.1, p.6-218.

BUFFON, Georges Louis Leclerc, comte de.

Cœuvres complètes, avec les descriptions anatomiques de Dau-

benton. 44v. 1824-32r508 B86

v.1-11. Théorie de la terre.

v.12. Histoire générale des animaux.

- v.13-15. Histoire naturelle de l'homme.
- v.16-29. Mammifères.
- v.30-40. Oiseaux.
- v.41. Planches: Théorie de la terre.—Histoire des minéraux.—Histoire naturelle de l'homme.—Histoire naturelle des animaux.
- v.42-43. Planches: Mammifères.
- v.44. Planches: Oiseaux.

DAVY, Sir Humphry.

Collected works; ed. by his brother John Davy. 9y. 1839-40..r508 D32

- v.1. Memoirs of his life, by John Davy.
- v.2. Early miscellaneous papers.
- v.3. Researches, chiefly concerning nitrous oxide.
- v.4. Elements of chemical philosophy.
- v.5. Bakerian lectures and miscellaneous papers from 1806 to 1815.
- v.6. Miscellaneous papers and researches.
- v.7. Discourses delivered before the Royal society, and Agricultural lectures, pt.1.
- v.8. Agricultural lectures, pt.2; and other lectures.
- v.9. Salmonia, and Consolation in travel.

509 History of science**BUCKLEY, Arabella Burton, afterward Mrs Fisher.**

Short history of natural science, and of the progress of discovery from the time of the Greeks to the present day.

1892j509 B85

"This simply written and admirable little work gives to chemistry its share of space in the history of science. It can be cordially recommended to all who wish to read of the mutual relations of the sciences, and their growth from earliest times." *H. C. Bolton.*

GRIMSHAW, Robert.

Record of scientific progress for 1891. 1892.....509 G92

HOFF, Jacob Hendrik van't.

Ueber die entwicklung der exakten naturwissenschaften im 19. jahrhundert und die betheiligung der deutschen gelehrten an dieser entwicklung. 1900r509 H67

HUXLEY, Thomas Henry.

Advance of science in the last half-century. 1901509 H98

Reprinted from "The reign of Queen Victoria, a survey of fifty years of progress;" ed. by T. H. Wood.

LUBBOCK, Sir John, baron Avebury.

Fifty years of science; being the address delivered at York to the British association, 1881. 1895.....509 L96

WHEWELL, William.

History of the inductive sciences. 2v. 1894.....509 W62

"One of the great books of the last half century... 'The Relations of Greek Philosophy to the Physical Sciences;' the 'Physical Sciences in Antiquity;' the 'Physical Sciences in the Middle Ages;' the 'Mechanical Sciences;' the 'Analytical Sciences,' and the 'Organical Sciences,' are the titles under which the eighteen books of this remarkable work are grouped." *C. K. Adams.*

WILLIAMS, Henry Smith.

Story of 19th century science. 1900.....509 W74

"A serious work, written by a man who, if he does not everywhere show himself a master of the particular branch of science of which he is treating...yet does show that he knows what science really is better than a good many men who go by the name of scientists." *Nation*, 1900.

510 Mathematics

CASTLE, Frank.

- Workshop mathematics. 2v. 1900510 C27
Treats of arithmetic, algebra and mensuration in a simple, practical manner. Written for workmen desiring a knowledge of such mathematical subjects as may be of use in the workshop.

CHICAGO RECORD, *pub.*

- Mathematics. 1899. (Home study circle; ed. by Seymour Eaton.)510 C43
Contents: Mechanics' bids and estimates.—Mensuration for beginners.—Easy lessons in geometrical drawing.—Elementary algebra.—A first course in geometry.

HOUSTON, Edwin James, & Kennelly, A.E.

- Interpretation of mathematical formulæ. 1898.....510 H83

LÜBSEN, Heinrich Borchert.

- Mathematics self-taught; adapted from the German by H. H. Suplee. v.1. 1897.....510 L96
v.1. Arithmetic and algebra.

MERRIMAN, Mansfield, & Woodward, R.S. *ed.*

- Higher mathematics; a text-book for colleges. 1896.....510 M63
Contents: Merriman, Mansfield. Solution of equations.—Weld, L. G. Determinants.—Halsted, G.B. Projective geometry.—McMahon, James. Hyperbolic functions.—Byerly, W.E. Harmonic functions.—Fiske, T.S. Functions of a complex variable.—Johnson, W.W. Differential equations.—Hyde, E.W. Grassman's space analysis.—Macfarlane, Alexander. Vector analysis and quaternions.—Woodward, R.S. Probability and theory of errors.—Smith, D.E. History of modern mathematics.

ORMSBY, M.T.

- Elementary practical mathematics. 1900 510 O28
Contents: Arithmetic.—Algebra.—Geometry.—Trigonometry.—Solid geometry.—Mensuration.—Differential and integral calculus.
Includes the parts of various branches of mathematics which are frequently employed in the workshop, paying special attention to the use of mathematical knowledge for practical calculations.

PERRY, John, *b.* 1850.

- Practical mathematics; summary of six lectures delivered to workingmen, with exercises supposed to be worked after every lecture. 1899510 P44
Published by the Department of science and art of the committee of council on education, London.

CLIFFORD, William Kingdon.

- Common sense of the exact sciences. 1894. (International scientific series.).....510.I C58
Contents: Number.—Space.—Quantity.—Position.—Motion.

DE MORGAN, Augustus.

- On the study and difficulties of mathematics. 1898.....510.I D42

DAVIES, Charles, & Peck, W. G. *comp.*

- Mathematical dictionary. 1883.....r510.3 D31

CAYLEY, Arthur.

- Collected mathematical papers. 14v. 1889-98.....qr510.4 C29
v.14 contains an index.
"Ten years ago Cayley commenced the gathering together of his numerous contributions to the leading mathematical journals of Europe and America. They date from 1841 while he was yet a Cambridge undergraduate, and were 900 in number when the work of collective publication commenced...We have before us the thirteen huge volumes of

mathematical essays, reviews, and criticisms testifying to the amazing zeal and untiring industry of the greatest mathematical intellect of the present century." *Literature*, 1898.

LAGRANGE, Joseph Louis, comte.

Lectures on elementary mathematics; tr. by T. J. McCormack. 1898.....510.4 L15

Biographical sketch of the author, p.7-13.

PENNSYLVANIA UNIVERSITY.

Publications; mathematics. v.1-date. 1897-date.....510.5 P39

v.1. Aley, R.J. Contributions to the geometry of the triangle.—Heyl, P.R. Properties of the locus $r=\text{constant}$, in space of n dimensions.

SCHUBERT, Hermann.

Mathematical essays and recreations. 1898.....510.7 S38

Contents: Notion and definition of number.—Monism in arithmetic.—On the nature of mathematical knowledge.—The magic square.—The fourth dimension.—The squaring of the circle.

SMITH, David Eugene.

Teaching of elementary mathematics. 1900. (Teachers' professional library.).....510.7 S64

"Teacher's book-shelf," p.297-305.

510.8 Tables and instruments

BABBAGE, Henry Prevost, *ed.*

Babbage's calculating engines; a collection of papers relating to them, their history and construction. 1889....510.8 B11

ELLWOOD, J.K.

Table book and test problems in mathematics. 1892.....510.8 E53

HALL, John L. *comp.*

Tables of squares; containing the true square of every foot and fraction thereof from 0 to 100 feet advancing by one-sixteenth of an inch. 1899.....510.8 H17

HALSEY, Frederic Arthur.

Use of the slide rule. 1899.....510.8 H18

Mainly a reprint of a series of articles which originally appeared in the "American machinist."

TAYLOR, F. Glanville.

Introduction to the practical use of logarithms, with examples in mensuration. 1901510.8 T25
Thorough explanation in simple language of the methods of calculation by the use of logarithms.

510.9 History of mathematics

CAJORI, Florian.

History of mathematics. 1895.....510.9 C12

FINK, Karl.

Brief history of mathematics. 1900.....510.9 F49

GOW, James.

Short history of Greek mathematics. 1884.....510.9 G75

511 Arithmetic

COLBURN, Warren.

Intellectual arithmetic upon the inductive method. 1884....511 C67

CONANT, Levi Leonard.

The number concept; its origin and development. 1896.....511 C74

DEAN, Philotus.

Intermediate arithmetic; for public schools and academies.

1865.r511 D34

GOFF, Milton B.

First book in arithmetic. 1876.....r511 G56

HOW to become quick at figures. 1885.....511 H84

LANDER, S.

Our own primary arithmetic. 1863.....r511 L22

This is a Confederate publication with some curious propositions.

Our own school arithmetic. 1863.....r511 L220

This is a Confederate publication with some curious propositions.

LANGLEY, Edward Mann.

Treatise on computation; methods for contracting and abbreviating arithmetical calculations. 1895.....511 L25

McLELLAN, James Alexander, & Dewey, John.

Psychology of number and its applications to methods of teaching arithmetic. 1895. (International education series.)

.....511 M19

For teachers in elementary schools.

"Knowing the nature and origin of number and numerical properties as psychological facts, the teacher knows how the mind works in the construction of number, and is prepared to help the child think number; is prepared to use a method, helpful to the normal movement of the mind. In other words, rational method in arithmetic must be based on the psychology of number." *Authors.*

MERRIFIELD, Charles Watkins.

Technical arithmetic and mensuration. 1896. (Text-books

of science.)511 M63

The same; Key, by John Hunter. 1889. (Text-books of

science.)511 M63h

Assumes some previous knowledge of the subject. Reviews carefully the elementary part, and gives a plain, thorough treatment of the more advanced portions.

SEELEY, Levi.

Grubé's method of teaching arithmetic. 1891.....511 S45

Authorities, p.4; sketch of Grubé, p.5-6.

SOLDAN, F.Louis.

How to teach elementary arithmetic; Grubé's method of teaching arithmetic explained, with practical hints and illustrations. 1878

.....511 S68

SONNENSCHN, Adolf, & Nesbitt, H.A.

Science and art of arithmetic, for the use of schools. 2v. in 1.

1870 511 S69

STOCKTON, Joseph.

Western calculator; or, A new system of practical arithmetic. 1839.....r511 S86

—Key to the Western calculator, by John Armstrong.

1836.r511 S86k

WENTWORTH, George Albert, & Hill, Thomas.

High school arithmetic. 1893.....511 W52

512 Algebra

FINE, Henry Burchard.

Number-system of algebra treated theoretically and historically. 1890.....512 F49

GRIFFIN, William Nathaniel.

Elements of algebra and trigonometry. 1892. (Text-books of science.)512 G89

"The purpose of this book is to explain the rudiments of Algebra and Trigonometry to artisans and others, who may wish to be acquainted with them so far as to make the computations which arise in practice, and to read books in which science is treated mathematically."
Preface.

Notes on the elements of algebra and trigonometry, with solutions of the more difficult questions. 1892. (Text-books of science.)512 G89n

HIGGS, W. Paget.

Algebra self-taught, for the use of mechanics, young engineers and home students. 1898512 H53

A brief outline of elementary algebra, intended to give a practical working knowledge sufficient to enable students to use the formulæ ordinarily found in technical writings.

LAGNY, Thomas Fantet de.

Analyse générale; ou, Méthodes nouvelles pour re'soudre les problèmes de tous les genres & de tous les degrez à l'infini. 1733qr512 L15

Suite des Mémoires de l'Académie royale des sciences, 1733.

NEWCOMB, Simon.

Algebra for schools and colleges. 1888.....512 N26

TODHUNTER, Isaac.

Algebra. 1889.....512 T55

WENTWORTH, George Albert.

Elements of algebra. 1898.....512 W52

The same. 1901.....r512 W52

WILSON, Edwin Bidwell.

Vector analysis; a text-book for the use of students of mathematics and physics, founded upon the lectures of J. W. Gibbs. 1901. (Yale bicentennial publications.)512.24 W76

Contents: Addition and scalar multiplication.—Direct and skew products of vectors.—The differential calculus of vectors.—The integral calculus of vectors.—Linear vector functions.—Rotations and strains.—Miscellaneous applications.

A system designed to be of especial value in its application to physics and geometry.

512.8 Higher algebra

MUIR, Thomas.

Treatise on the theory of determinants, with graduated sets of exercises; for use in colleges and schools. 1882....512.83 M95

McGINNIS, M.A.

Universal solution for numerical and literal equations, by which the roots of equations of all degrees can be expressed in terms of their coefficients. 1900.....512.84 M16
Binder's title reads Functions of squares.

LAURENT, Hermann.

L'élimination. 1900. (Scientia; série physico-mathématique.)r512.85 L37

513 Geometry

BEMAN, Wooster Woodruff, & Smith, David Eugene.

Plane and solid geometry. 1898.....513 B42

EUCLID.

Elements; first six books and portions of the eleventh and twelfth. 1891.....513 E91

LARMOR, Alexander.

Geometrical exercises from Nixon's "Euclid revised," with solutions. 1901 513 L32

NEWCOMB, Simon.

Elements of geometry. 1889.....513 N26

SCHULTZE, Arthur, & Sevenoak, F.L.

Plane and solid geometry. 1901513 S38

WATSON, Henry William.

Elements of plane and solid geometry. 1890. (Text-books of science.)513 W31

WENTWORTH, George Albert.

Text-book of geometry. 1898.....513 W52
Includes both plane and solid geometry.

LOBATSCHEWSKY, Nicholas.

Geometrical researches on the theory of parallels. 1892.....513.8 L75

MANNING, Henry Parker.

Non-Euclidean geometry. 1901513.8 M33

WILLINK, Arthur.

The world of the unseen; an essay on the relation of higher space to things eternal. 1893.....513.8 W75

KLEIN, Felix.

Famous problems of elementary geometry; the duplication of the cube, the trisection of an angle, the quadrature of the circle. 1897.....513.9 K31

SPENCER, William George.

Inventional geometry; a series of problems. 1876.
(Science primers.).....513.9 S74

514 Trigonometry

NEWCOMB, Simon.

Elements of plane and spherical trigonometry. 1889.....514 N26
The same, with logarithmic and other mathematical tables.

1889514 N26c

WENTWORTH, George Albert.

Plane and spherical trigonometry and tables. 1897.....514 W52

TODHUNTER, Isaac.

Plane trigonometry. 1890.....514.5 T55

515 Descriptive geometry

WILLSON, Frederick Newton.

Descriptive geometry, pure and applied; with a chapter on higher plane curves and the helix; a theoretical and practical treatise prepared for courses in general science, engineering and architecture. 1898.....q515 W76

PILLET, Jules.

Shades and shadows; an exposition of short and convenient methods for determining the shades and shadows of objects illuminated by the conventional parallel rays. 1896.....qb515.7 P59

515.8 Stereotomy

BUCK, Joseph Haywood Watson.

Construction of large tunnel shafts. 1880.....515.8 B85

DOBSON, Edward.

Rudiments of masonry and stonecutting; the principles of masonic projection and their application to the construction of curved wing-walls and domes, oblique bridges and Roman and Gothic vaulting. 1895.....515.8 D65
 "Devoted...to the scientific operations of stone-cutting, and to the explanation of the methods by which the mason obtains, from the designs of the architect, the exact shape of each stone in a building."
Introduction.

MAHAN, Dennis Hart.

Descriptive geometry, as applied to the drawing of fortification and stereotomy; for the use of the cadets of the U. S. military academy. 1900515.8 M25

SIEBERT, John Selmar, & Biggin, F. C.

Modern stone-cutting and masonry. 1896.....515.8 S57

WARREN, Samuel Edward.

Stereotomy; problems in stone cutting, for students of engineering and architecture. 1898515.8 W24
Contents: Plane-sided structures.—Structures containing developable surfaces.—Structures containing warped surfaces.—Structures containing double-curved surfaces.

516 Analytical geometry

FONTENELLE, Bernard le Bovier de.

Éléments de la géométrie de l'infini. 1727.....qr516 F74
 Suite des Mémoires de l'Académie royale des sciences, 1727.

NEWCOMB, Simon.

Elements of analytic geometry. 1889.....516 N26
 "The author has endeavored so to arrange the present work that it shall be adapted both to those who do and those who do not desire to make a special study of advanced mathematics." *Preface.*

TANNER, John Henry, & Allen, Joseph.

Elementary course in analytic geometry. 1898. (Cornell mathematical series.)516 T18

ALDIS, William Steadman.

Elementary treatise on solid geometry. 1886.....516.5 A36

Partial contents: Transformation of co-ordinates.—On generating lines and sections of quadrics.—On the surfaces represented by the general equation of the second degree.—On tangent lines and planes.—On curves in space.—On envelopes.—On curvature of surfaces.

FROST, Percival.

Solid geometry. 2v. 1886-87.....516.5 F95

Partial contents:

v.1. On coordinate systems.—General description of loci of equations.—Projections of lines and areas.—General equation of the first degree.—Quadriplanar and tetrahedral coordinates. — Four-point coordinate system.—Loci of equations.—Transformation of coordinates.—On certain surfaces of the second degree. — On generation by straight lines.—Tangents.—Confocal conicoids.—General equation of the second degree.—Reciprocal polars.—Clusters of conicoids.—Tortuous curves.—Geodesic lines.—Curvilinear coordinates.

v.2. Hints for the solution of problems.

REYE, Theodor.

Lectures on the geometry of position. v.1. 1898.....516.5 R37

TODHUNTER, Isaac, *comp.*

Examples of analytical geometry of three dimensions. 1878..516.5 T55e

TODHUNTER, Isaac.

Treatise on plane co-ordinate geometry and conic sections.

1888.....516.5 T55

HAMILTON, Sir William Rowan.

Elements of quaternions; ed. by C. J. Joly. 2v. 1899-1901..qr516.8 H21

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Requires a knowledge of the calculus.

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v.12. Organic compounds containing 14 atoms of carbon.
v.13. Organic compounds containing 16 and 18 atoms of carbon.
v.14. Organic compounds containing 20 and 22 atoms of carbon.
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 1893-date title reads Jahresbericht über die fortschritte der chemie.
- JOURNAL für praktische chemie**; monthly. v.1-date. 1834-date.r540.5 J46
 —Sach- und namenregister, v.1-30, 1834-1843.
 —Sach- und namenregister, v.31-60, 1843-1853.
 —Sach- und namenregister, v.61-90, 1854-1863.
 —Sach- und namenregister, v.91-108, 1864-1869.
 —Sach- und namenregister, v.109-158, 1870-1894.
- JOURNAL of the American chemical society**; monthly, 1879-date. v.1-date. 1879-date.....r540.5 J466
 A continuation of the Proceedings of the American chemical society.
 —General index, v.1-20, 1879-1898; and to the Proceedings, 1877-1879. 1902.
- MONATSHEFTE für chemie und verwandte theile anderer wissenschaften**; gesammelte abhandlungen aus den sitzungsberichten der Kaiserlichen akademie des wissenschaften, 1880-date. v.1-date. 1892-date.....r540.5 M81
 —Generalregister, 1880-1889, v.1-10. 1894.
- PHARMACEUTISCHES central-blatt**; weekly. v.1-date. 1830-date.r540.5 P48
 v.21-26 title reads Chemisch-pharmaceutisches central-blatt.
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- RECUEIL des travaux chimiques des Pays-Bas.** v.1-date. 1882-date.r540.5 R26
- RÉPERTOIRE de chimie pure**, 1858-1862. 4v. 1859-62.
 (Société chimique de Paris.).....r540.5 R35
 In Jan. 1863 this united with the Bulletin de la Société chimique de Paris.
- REVIEW of American chemical research**; monthly. v.1-date. 1895-dater540.5 R36
 Contributed by members of the instructing staff of the Massachusetts institute of technology.
 This periodical is issued as part of the Technology quarterly and of the Journal of the American chemical society, in which the current numbers will be found.
- REVUE générale de chimie pure & appliquée**; monthly. v.1-date. 1899-date.....qr540.5 R37
 From 1901-date a supplement is issued with the title, "Répertoire général de chimie pure et appliquée," qr540.5 R3522.

BOLTON, Henry Carrington, comp.

Chemical societies of the nineteenth century. 1902. (In Smithsonian institution. Miscellaneous collections, v. 41.)r506 S66m v.41
Gives date of formation, place, name of presiding officer, number of members, titles of publications, etc.

540.8 Collected works

FRANKLAND, Edward.

Experimental researches in pure, applied and physical chemistry. 1877540.8 F87

GLAUBER, Johann Rudolph.

Works; containing great variety of choice secrets in medicine and alchymy, in the working of metallick mines and the separation of metals; also various cheap and easie ways of making salt-petre, and improving of barren-land, and the fruits of the earth. 3v. in 1. 1689qr540.8 G46

GRAHAM, Thomas.

Chemical and physical researches. 1876.....r540.8 G77
For contents see contents book, p.102; kept at the reference desk.

540.9 History

DUCLAUX, Émile.

Pasteur; histoire d'un esprit. 1896.....r540.9 D86
Contents: Travaux de cristallographie.—Fermentations lactique et alcoolique.—Générations spontanées.—Vins et vinaigres.—Études sur les maladies des vers à soie.—Études sur la bière.—Étude sur l'étiologie des maladies microbiennes.—Étude des virus et vaccins.

KOPP, Hermann.

Die entwicklung der chemie in der neueren zeit. 3v. in 1. 1871-73. (Geschichte der wissenschaften in Deutschland, v.10.)r540.9 K38
The period covered is approximately from 1700 to 1870.
Geschichte der chemie. 4v. in 2. 1843-47r540.9 K38g
"A classical work, above praise." *H. C. Bolton.*

LADENBURG, Albert.

Lectures on the history of the development of chemistry since the time of Lavoisier. 1900540.9 L13
Reviews briefly the main steps in the advance; attempts to bring out the connection of past theories with those now held.

LIEBIG, Justus, baron von, & Schönbein, C.F.

Briefwechsel, 1853-1868; mit anmerkungen, hinweisen und erläuterungen, versehen und hrsg. von G. W. A. Kahlbaum und Eduard Thon. 1900. (Monographien aus der geschichte der chemie.)540.9 L69
The correspondence of these noted chemists throws valuable light on chemical history. These letters tell us of their own work, the new discoveries of the period, and the theories then held.

MEYER, Ernst von.

History of chemistry, from earliest times. 1898540.9 M65
"An ably written, condensed history, covering the entire period of chemistry, and from a modern standpoint. The progress of the science since Lavoisier is treated particularly fully." *H. C. Bolton.*

RAMSAY, Sir William.

Gases of the atmosphere; the history of their discovery.

1896. 540.9 R18

"Discovery of argon," p.146-240.

Written for persons without special scientific training.

TILDEN, William Augustus.

Short history of the progress of scientific chemistry in our
own times. 1899. 540.9 T46

VENABLE, Francis Preston.

Short history of chemistry. 1900 540.9 V25

Good brief survey of the growth of chemistry from earliest times to the
present day.

541 Theoretical chemistry

CARNEGIE, Douglas.

Law and theory in chemistry. 1894. 541 C21

"Contains the substance of a summer-school course of eight lectures de-
livered before an audience of teachers of elementary chemistry."

Preface.

COOKE, Josiah Parsons.

First principles of chemical philosophy. 1868. 541 C77f

Gives much prominence to the doctrine of special types, the prevailing
theory at the time the book was written.

New chemistry. 1892. (International scientific series.) ... 541 C77n

"Written in popular style; aims to develop the general principles of the
new chemistry in systematic order; substances and processes are
described only as far as necessary to illustrate principles. To
enjoy this work fully the reader should know the elements of chem-
istry." *H. C. Bolton.*

The same. 1874. (International scientific series.) 541 C77

Principles of chemical philosophy. 1891. 541 C77

GRAHAM, Thomas, *ed.*

Chemical reports and memoirs. 1848. (Cavendish society.

Publications.) 541 G77

Contents: An atomic volume, by Prof. Otto and M. Filhol.—Isomor-
phism, by Prof. Otto.—Endosmosis, by Julius Vogel.—Simultaneous
contrast of colours, by M. Chevreul.—The latent heat of steam at
different pressures, by M. Regnault.—The artificial formation of alka-
loids, by M. E. Kop.—Volcanic phenomena, by Prof. Bunsen.

HOFF, Jacob Hendrik van 't.

Lectures on theoretical and physical chemistry; tr. by R. A.

Lehfeldt. 3v. 1898-99 541 H67le

v.1. Chemical dynamics.

v.2. Chemical statics.

v.3. Relations between properties and composition.

To van't Hoff is due a large share of the advances made in the past
few years in physical chemistry. This book is a reproduction of
his lectures at the University of Berlin. A considerable knowledge
of mathematics and physics is required in the reader.

Studies in chemical dynamics. 1896. 541 H67

HOOKE, Robert.

Extracts from Micrographia; or, Some physiological descrip-
tions of minute bodies made by magnifying glasses, with
observations and inquiries thereupon. 1894. (Alembic
club reprints.) 541 H77

LOCKYER, Sir Joseph Norman.

Inorganic evolution as studied by spectrum analysis.

1900.54I L76

Upholds the hypothesis that chemical elements are polymers or compounds of polymers of one matter; and that this matter exists everywhere among the stars in different degrees of polymerization and combination of polymers.

MEYER, Lothar.

Outlines of theoretical chemistry. 189954I M65

"Presents a summary of the most recent theories of chemical philosophy; it is better adapted for advanced students than for the general reader. A standard work." *H. C. Bolton.*

The same. 1892r54I M65

MUIR, Matthew Moncrieff Pattison.

Treatise on the principles of chemistry. 1889.....54I M95

"A well-written work, abreast of the times, suitable for advanced students." *H. C. Bolton.*

NERNST, Walther.

Theoretische chemie, vom standpunkte der Avogadro'schen regel und der thermodynamik. 1900.....54I N23

An exceedingly clear statement of the facts and problems of theoretical chemistry. Is less exhaustive than Ostwald's "Lehrbuch der allgemeinen chemie," and pays especial attention to further applications of the theories.

OSTWALD, Wilhelm.

Grundriss der allgemeinen chemie. 1899.....r54I O29g

An exposition of the physical principles underlying chemical phenomena.

The author is an acknowledged authority on the subject.

Outlines of general chemistry. 1895.....54I O29

"Designed to meet the requirements of the student who, while not intending to devote himself to the detailed study of general chemistry, still wishes to follow intelligently the progress recently made in this important branch of science." *Author's preface.*

REMSEN, Ira.

Principles of theoretical chemistry, with special reference to

the constitution of chemical compounds. 189754I R33

541.1 Physical chemistry

DEVENTER, Ch.M. van.

Physical chemistry for beginners; tr. by B. B. Boltwood.

1899541.1 D48

Clear and concise. Only slight physical and mathematical knowledge is necessary.

The same; tr. by R. A. Lehfeldt. 1897.....r541.1 D48

HOFF, Jacob Hendrik van't.

Leçons de chimie physique professées à l'université de

Berlin. 3v. 1898-1900.....r541.1 H67

v.1. La dynamique chimique.

v.2. La statique chimique.

v.3. Relations entre les propriétés et la composition.

JONES, Harry Clary.

Elements of physical chemistry. 1902.....541.1 J41

A summary of investigations made by the oldest physicists, as well as an account of those instituted by the later physical chemists. The work is characterized by the author's usual clarity and precision.

JOURNAL of physical chemistry; ed. by W. D. Bancroft & J.

F. Trevor; monthly. v.1-date. 1896-date.....qr541.1 J46

Published at Cornell university.

LEHFELDT, R.A.

Text-book of physical chemistry. 1899.....541.1 L55

"Some of the most important works on physical chemistry," p.11.

"Intended to contain what a student—with limited time and many subjects to learn—may usefully read." *Preface.*

Very clearly written.

REYCHLER, A.

Outlines of physical chemistry; tr. fr. the French by John

McCrae. 1899.....541.1 R37

Bibliographical note, p.268.

Broader in treatment than is usual in an elementary book. Recommended to beginners having a fair knowledge of chemistry.

WALKER, James.

Introduction to physical chemistry. 1899.....541.1 W16

"As I have assumed that the student who uses this book has already taken ordinary courses in chemistry and physics, I have devoted little or no space to the explanation of terms or elementary notions which are adequately treated in the text-books on those subjects...I have throughout avoided the use of any but the most elementary mathematics." *Preface.*

ZEITSCHRIFT für physikalische chemie, stöchiometrie und

verwandtschaftslehre. v.1-date. 1887-date.....r541.1 Z43

Published irregularly; edited by Wilhelm Ostwald and J. H. van't Hoff.

JONES, Harry Clary, ed.

Modern theory of solution; memoirs by Pfeffer, van't Hoff, Arrhenius and Raoult. 1899. (Scientific mem-

oirs.).541.12 J41

Contents: Pfeffer, W. Osmotic investigations.—Biography of Pfeffer.—Van't Hoff, J. H. Role of osmotic pressure in the analogy between solutions and gases.—Biography of van't Hoff.—Arrhenius, S. On the dissociation of substances dissolved in water.—Biography of Arrhenius. — Raoult, F.M. General law of the freezing of solvents. — Raoult, F.M. On the vapor-pressure of ethereal solutions.—Raoult, F.M. General law of the vapor-pressure of solvents.—Biography of Raoult.

Bibliography, p.129-132.

The physical chemistry of to-day is founded upon the theories advanced in these papers.

MORGAN, John Livingston Rutgers.

An outline of the theory of solution and its results, for chemists and electricians. 1897.....541.12 M89

"Gives in clear language the gist of the theory of solution, how it has arisen, and what it is to-day. The treatment and style is as non-mathematical as the nature of the subject permits." *C. E. Lincbarger in the Journal of the American chemical society.*

WHETHAM, William Cecil Dampier.

Solution and electrolysis. 1895.....r541.12 W62

Explains clearly and concisely our theoretical knowledge of these subjects.

LANDOLT, Hans.

Optical activity and chemical composition; tr. by John

McCrae. 1899.....r541.15 L22

This forms the eighth chapter of the first volume of Graham-Otto's "Lehrbuch der chemie."

NAUMANN, Alexander.

Lehr- und handbuch der thermochemie. 1882.....541.16 N16

Technisch-thermochemische berechnungen zur heizung insbesondere mit gasförmigen brennstoffen. 1893..qr541.16 N16

THOMSEN, Julius.

Thermochemische untersuchungen. 4v. 1882-86.....r541.16 T38

v.1. Neutralisation und verwandte phänomene.

- v.2. Metalloide.
 v.3. Wässrige lösung und hydratbildung.—Metalle.
 v.4. Organische verbindungen.

541.17 Electrochemistry

ARRHENIUS, Svante August.

Lehrbuch der elektrochemie. 1901.....r541.17 A77
 A text-book suitable for advanced high school pupils.

BERMBACH, Willibald.

Die wichtigsten grundbegriffe der elektrochemie und ihre
 verwertung bei den neueren theorien der galvanischen
 elemente und akkumulatoren. 1900.....r541.17 B45
 A brief survey of so much of theoretical chemistry as is needed for a
 thorough understanding of modern electrochemical theory.

BLOUNT, Bertram.

Practical electro-chemistry. 1901.....541.17 B56
 Describes only processes which are, or are likely to be, of use industri-
 ally.
 "In spite of a few blemishes, the...most satisfactory work of its kind in
 any language." *Wilder D. Bancroft, in the Journal of physical chemis-*
try, 1901.

BORCHERS, Wilhelm.

Die elektrochemie, und ihre weitere interessensphäre auf
 der Weltausstellung in Paris, 1900. 1901.....qr541.17 B63
 Vermehrte und verbesserte ausgabe des in der "Zeitschrift für elektro-
 chemie" erschienenen berichtes.
 A very thorough report on the condition of electrochemical industries
 as shown at the Paris exposition of 1900, the first in which they
 were treated in a separate class. Dr Borchers is a leading authority
 on electrochemistry, and was a member of the international jury at
 Paris, (1901).

GOODWIN, Harry Manly, *ed.*

Fundamental laws of electrolytic conduction. 1899. (Scien-
 tific memoirs.).....541.17 G63
Contents: Relation by measure of common and voltaic electricity, by
 Michael Faraday. — On electrochemical decomposition, by Michael
 Faraday.—Biographical sketch of Faraday.—On the migration of ions
 during electrolysis, by W. Hittorf.—Biographical sketch of Hittorf.—
 On the conductivity of electrolytes dissolved in water in relation to
 the migration of their components, by F. Kohlrausch.—Biographical
 sketch of Kohlrausch.
 Bibliography, p.94-96.

GORE, George.

Electro-chemistry; inorganic. [1888.] (Electrician
 series.)541.17 G66
 "Intended to contain, in systematic order, the chief principles and
 facts of electro-chemistry, and to supply the student of electro-plating
 or electro-metallurgy a scientific basis upon which to build the addi-
 tional practical knowledge and experience of his trade...It will not
 supply the technical details necessary for the accurate quantitative
 determination of metals by electro-chemical processes; references to
 sources of such information will, however, be given." *Introductory*
note.

JAHRBUCH der elektrochemie, 1894-date. 1er jahrgang-
 date. 1895-date.....r541.17 J15

JONES, Harry Clary.

Outlines of electrochemistry. 1901.....q541.17 J41
 Appeared first in the Electrical review, v.39, 1901, under the title
 "Selected chapters in electrochemistry."
 Intended particularly for the use of electrical engineers who desire
 some knowledge of the theory of electrochemistry.

- Theory of electrolytic dissociation, and some of its applications. 1900.....541.17 J41t
- KOHLRAUSCH, Friedrich, & Holborn, L.
Das leitvermögen der elektrolyte, insbesondere der lösungen;
methoden, resultate und chemische anwendungen.
1898.r541.17 K36
"Literatur," p.137-143.
"The work is...beyond criticism and cannot be too heartily commended
to those interested in conductivity work." *American chemical journal*,
1899.
- KOLBE, Hermann.
Electrolysis of organic compounds; papers, (1845-1868).
1900. (Alembic club reprints.).....541.17 K36
Contains Kolbe's account of his earliest experiments, also his classic
memoir upon the electrolysis of valerianates and acetates.
- LE BLANC, Max.
Elements of electrochemistry. 1896.....541.17 L47
- LÖB, Walter.
Electrolysis and electrosynthesis of organic compounds.
1898.541.17 L75
The same. 1898.....r541.17 L75
- MOISSAN, Henri.
Le four électrique. 1897.....541.17 M78
Very clear accounts of some of the author's experiments in reducing
metallic oxides and producing diamonds with the aid of the intense
heat of the electric furnace.
- TOMMASI, Donato.
Traité théorique et pratique d'électrochimie. 1889.....qr541.17 T59
- ZEITSCHRIFT für elektrochemie; weekly. v.1-date. 1894-
date.qr541.17 Z43
Organ der Deutschen elektrochemischen gesellschaft.

541.2 Atoms. Molecules

- BILTZ, Heinrich.
Practical methods for determining molecular weights; tr. by
H. C. Jones and S. H. King. 1899.....541.2 B48
"A masterly summation of the practical methods for determining molec-
ular weights by the vapor-density and the cryoscopic methods, with
a careful criticism of the different procedures, and a comparison of
the usefulness of one with the other." *Journal of the American
chemical society*.
- DALTON, John, and others.
Foundations of the atomic theory; comprising papers and ex-
tracts. 1893. (Alembic club reprints.).....541.2 D17
Reproduction of the earliest printed account (1807) of the atomic
weight theory as proposed by Dalton. Also contains papers by Wol-
laston (1808) on super-acid and sub-acid salts.
- Foundations of the molecular theory; comprising papers and
extracts. 1893. (Alembic club reprints.).....541.2 D17f
"The papers here printed in chronological order serve to exhibit the
historical development of the idea of a connection existing between
the number of particles in different gases and the volume they occupy."
Preface.
- JONES, Harry Clary.
The freezing-point, boiling-point, and conductivity methods.
1897.541.2 J41
Short laboratory guide to the use of these methods of molecular weight
and conductivity determinations.

MURRAY, David Ambrose.

Atoms and energies. 1901.....541.2 M97

Author claims that all atoms are "identical in essence and [vary] only as to their size and shape;" an atom being "an Impenetrable Expanse of the Ability to Modify and be Moved by Energy." These atoms are acted upon by only two energies, an attractive and a repellent; energy, however, being "a distinct Entity, not a mode of motion."

RISTEEN, A.D.

Molecules and the molecular theory of matter. 1895.....541.2 R49

WURTZ, Charles Adolphe.

The atomic theory. 1891. (International scientific series.)...541.2 W97

Points out the origins and follows up the development of this celebrated theory in as plain language as the subject permits.

541.3 Chemical affinity

FARADAY, Michael.

Course of lectures on the chemical history of a candle, to

which is added a lecture on platinum. [1861.].....541.3 F22

"In no work on chemistry have the phenomena of combustion, the nature of the atmosphere, and the chemistry of coal-gas been more clearly presented. The work is a little old-fashioned, but its fundamental statements are sound, and the absence of technicalities will always make it charming." *H. C. Bolton.*

REY, Jean.

Essays on an enquiry into the cause wherefore tin and lead increase in weight on calcination. 1895. (Alembic club re-

prints.)541.3 R37

First published in pamphlet form at Bazas in 1630.

"Apart altogether from the historical interest of the work, the quaint and lively style of the author makes his Essays still worthy of perusal." *Preface.*

541.7 Stereochemistry

FREUNDLER, P.

La stéréochimie. [1899.] (Scientia; série physico-mathématique.)541.7 F93

Bibliographie, p.97-98.

A critical and descriptive review of stereochemical theory at the close of the nineteenth century.

HOFF, Jacob Hendrik van't.

Arrangement of atoms in space; tr. by Arnold Eiloart.

1898.541.7 H67

Contents: Stereochemistry of carbon. — Stereochemistry of nitrogen compounds.—Stereochemical isomerism of inorganic compounds.

"Van't Hoff's work appeared first in French under the title 'La chimie dans l'espace' (1875). A German translation appeared in 1877 under the title 'Die Lagerung der Atome im Raume.' In 1887 a 2d French edition appeared under the title 'Dix années dans l'histoire d'une théorie.' The 2d German ed. (1894) from which the present English translation was made 'is not so much a new edition of the first German work, as a German revision of van't Hoff's 'Dix années dans l'histoire d'une théorie,' enriched by the growth of our knowledge during the last seven years.'" *Preface to the 2d ed.*

PASTEUR, Louis.

Researches on the molecular asymmetry of natural organic

products. 1897. (Alembic club reprints.).....541.7 P28

Translation of two lectures before the Chemical society of Paris in 1860.

Describes the steps which led to his views on optical isomerism.

RICHARDSON, George Mann, *ed.*

Foundations of stereo-chemistry; memoirs by Pasteur, van't Hoff, LeBel and Wislicenus. 1901. (Scientific memoirs.)541.7 R41

Contents: The asymmetry of naturally occurring organic compounds, by Louis Pasteur.—Biographical sketch of Pasteur.—Structural formulas in space, by J. H. van't Hoff.—Biographical sketch of van't Hoff.—Relation between atomic formulas of organic compounds and the rotatory power of their solutions, by J. A. LeBel.—Biographical sketch of LeBel.—Space arrangement of the atoms in organic molecules and the resulting geometrical isomerism in unsaturated compounds, by Johannes Wislicenus.—Biographical sketch of Wislicenus.

Bibliography, p.133-135.

Pasteur's article gave the first suggestion leading to our present views of the space relations of the atoms in the molecule; van't Hoff's and LeBel's memoirs first gave a definite idea of what the arrangement might be. Wislicenus first took up their theory and applied it systematically to explain relationships.

541.8 Solubility

COMEY, Arthur Messinger, *comp.*

Dictionary of chemical solubilities, inorganic. 1896.....r541.8 C73

RAOULT, François Marie.

Tonométrie. 1900. (Scientia; série physico-mathématique.)r541.8 R19

Bibliographie, p.115-116.

541.9 Tables. Calculations

ADRIANCE, John S. *comp.*

Laboratory calculations and specific-gravity tables. 1897..541.9 A24

ALLEN, John Alpheus, *comp.*

Tables for iron analysis. 1896.....541.9 A42

The same. 1896.....r541.9 A42

For the rapid calculation of the results of analyses.

BIEHRINGER, Joachim.

Einführung in die stöchiometrie; oder, Die lehre von der quantitativen zusammensetzung der körper und ihren mit dieser zusammenhängenden eigenschaften. 1900.....541.9 B47

Describes briefly the theory, and illustrates its practical application by a large number of well-selected numerical problems. These are worked out, and a careful explanation of the method is given. A thorough, practical guide to chemical and physico-chemical calculations.

CARNELLEY, Thomas.

Physico-chemical constants; melting and boiling point tables.

2v. 1885-87.....qr541.9 C21

Catalogue of reference literature, v.1, p.21-24.

LANDOLT, Hans, & Börnstein, Richard, *comp.*

Physikalisch-chemische tabellen. 1894.....qr541.9 L22

Contains bibliographies.

LAURENT, Auguste.

Chemical method, notation, classification & nomenclature.

1855. (Cavendish society. Publications.).....r541.9 L37

MILLER, Edmund Howd.

Calculations of analytical chemistry. 1900.....541.9 M69

Explains clearly and thoroughly all the calculations usually needed in the analytical laboratory.

MORGAN, John James, *comp.*

Tables for quantitative metallurgical analysis, for laboratory use. 1899.....r541.9 M89

WADDELL, John.

Arithmetic of chemistry; a simple treatment of the subject of chemical calculations. 1899.....541.9 W11

542 Experimental chemistry

ARENDT, Rudolf.

Technik der experimentalchemie; anleitung zur ausführung chemischer experimente. 1900.....542.2 A68

COOKE, Josiah Parsons.

Laboratory practice; a series of experiments on the fundamental principles of chemistry. 1896.....542.2 C77
A companion volume to "The new chemistry."

The same. 1896.....r542.2 C77

ERDMANN, Hugo.

Introduction to chemical preparations; a guide in the practical teaching of inorganic chemistry; authorized tr. from the second German edition by F. L. Dunlap. 1900.....r542.2 E72
Contains numerous short bibliographies.

FARADAY, Michael.

Chemical manipulation. 1842.....r542.2 F22

LENGFELD, Felix.

Inorganic chemical preparations. 1899.....542.2 L59
Prepared by the author for use of his classes at the University of Chicago.

NEWTN, G.S.

Chemical lecture experiments; non-metallic elements. 1896.542.2 N29

"The object of this book is two-fold. Firstly, it is intended to supply chemical lecturers and teachers with a useful repertoire of experiments, suitable for illustrating upon the lecture table the modes of preparation, and the properties, of the non-metallic elements, and their commoner and more important compounds...Secondly, it is my object to furnish the chemical student with a book which shall serve as a companion to the lectures he may attend." *Preface.*

Les NOUVEAUTÉS chimiques; nouveaux appareils de laboratoires, méthodes nouvelles de recherches appliquées à la science et à l'industrie, par Camille Poulenc, 1896-date.

1896-date.r542.2 N47
Issued annually.

SMITH, Edgar F. & Keller, H.F.

Experiments; arranged for students in general chemistry. 1895.542.2 S64
Intended for beginners.

THORP, Frank Hall.

Inorganic chemical preparations. 1896.....542.2 T41
The preparations included are those commonly used in laboratories or those important commercially. The directions are full and clear.

THRELFALL, Richard.

On laboratory arts. 1898.....542.2 T42
Contents: Hints on the manipulation of glass and on glass-blowing for laboratory purposes.—On the preparation of vacuum tubes for the production of Röntgen's radiation.—Glass-grinding and opticians' work.—

- Miscellaneous processes.—Electroplating and allied arts.—Platinising glass.
 Directions and instructions to aid in the construction of physical apparatus for experimental purposes.
- TRAUBE, Isidor.
 Physico-chemical methods. 1898.....542.2 T69
Contents: The chemical balance.—Density.—Capillarity.—The constant of viscosity.—Solubility.—The electric conductivity of liquids.—Expansion of liquids.—Melting point and solidifying point.—Depression of the freezing points of solutions.—Boiling point and vapor pressure.—Elevation of the boiling points of solutions.—Heat of fusion.—Heat of vaporization.—Thermochemical constants.—Measurement of crystals.—Index of refraction.—Spectrum analysis.—Rotation of the plane of polarization.—General contrivances for measurements.—Tables.
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 Chemical experiments. 1899.....542.2 W86
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 Table of specific gravity for solids and liquids. 1888.
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- KOLLER, Theodor.
 Praktische herstellung von lösungen; ein handbuch zum raschen und sicheren auffinden der lösungsmittel aller technisch und industriell wichtigen körper. 1888.
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- OETTEL, Felix.
 Introduction to electrochemical experiments. 1897.....542.8 O15
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543 Analytical chemistry

See also Adulterations, 614.3

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Bulletins were issued, chiefly concerning Colorado, Wyoming and
 Montana. The first careful descriptions of many remarkable features
 in the Rocky Mountain region were published in these volumes. A
 detailed account of the Yellowstone Park is included in the 11th
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 Holmes, are unexcelled. A geological atlas of Colorado accompanies
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 "By act of March 3, 1879, the Geological and Geographical Survey of

the Territories, the Geographical and Geological Survey of the Rocky Mountain Region, and the Geographical Surveys West of the One hundredth Meridian were discontinued, and the United States Geological Survey established in their stead."

Bulletin. 6v. 1875-82.r557.8 U25b

v.1 lacks no.1 [1st series] and no.4, 2d series; v.3 lacks no.4.

For contents see contents book, v.3, p.328; kept at the reference desk.

"The First and Second Bulletins, which appeared in 1874, are separately paged pamphlets, without ostensible connection with each other or with subsequent ones, but together constituting a 'First Series' of the publication. Bulletins which appeared in 1875, being those of a 'Second Series' and six in number, are continuously paged. With No.6 were issued title, contents, index, &c., for all the numbers of both 'series' which had then appeared; the design being that these should together constitute Volume 1, in order that the inconvenient distinction of 'series' might be dropped."

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v.5. Watson, Sereno. Botany.

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Pt.4 of the 18th, 19th, 20th, 21st and 22d reports are on hydrography.

Pt.5 of the 19th, 20th and 21st reports are on forest reserves.

For a list of the "Accompanying papers" see contents book, p.56; kept at the reference desk.

1st-21st reports are indexed in Bulletin 177 of the Survey.

By a joint resolution of May 16, 1902 the character of the Reports of the Geological survey was somewhat changed: The Reports were restricted to one volume and much of the material previously included in them under the title "Accompanying papers" will now be found in the various series of publications of the survey namely: "Bulletins," "Professional papers" and "Water supply and irrigation papers."

Bulletin. no.1-date. v.1-date. 1884-date.r557.3 U25b

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1894-1903qr557.3 U25g

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- Tennessee.—Anthracite-crested Butte, Colorado.—Harper's Ferry, Virginia; Maryland; West Virginia.—Jackson, California.—Estillville, Kentucky; Virginia; Tennessee.—Fredericksburg, Virginia; Maryland.—Staunton, Virginia; West Virginia.—Lassen Peak, California.—Knoxville, Tennessee; North Carolina.
- v.2. Folio 17-32. Marysville, California.—Smartsville, California.—Stevenson, Alabama; Georgia; Tennessee.—Cleveland, Tennessee.—Pikeville, Tennessee.—McMinnville, Tennessee.—Nomini, Maryland; Virginia.—Three Forks, Montana.—Loudon, Tennessee.—Pocahontas, Virginia; West Virginia.—Morristown, Tennessee.—Piedmont, West Virginia; Maryland.—Nevada City, California, (special.)—Yellowstone national park, Wyoming.—Pyramid Peak, California.—Franklin, West Virginia; Virginia.
- v.3. Folio 33-48. Briceville, Tennessee.—Buckhannon, West Virginia.—Gadsden, Alabama.—Pueblo, Colorado.—Downieville, California.—Butte special folio, Montana.—Truckee, California.—Wartburg, Tennessee.—Sonora, California.—Nueces, Texas.—Bidwell Bar, California.—Tazewell, Virginia; West Virginia.—Boise, Idaho.—Richmond, Kentucky.—London, Kentucky.—Tenmile district special folio, Colorado.
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- v.6. Folio 81-96. Chicago, Illinois; Indiana.—Masontown-Uniontown, Pennsylvania.—New York city, New York; New Jersey.—Ditney, Indiana.—Oelrichs, South Dakota; Nebraska.—Ellensburg, Washington.—Camp Clarke, Nebraska.—Scotts Bluff, Nebraska.—Port Orford, Oregon.—Cranberry, North Carolina; Tennessee.—Hartville, Wyoming.—Gaines, Pennsylvania; New York.—Elkland.—Tioga, Pennsylvania.—Brownsville.—Connellsville, Pennsylvania.—Columbia, Tennessee.

Folios 1-70 are indexed in Bulletin 177 of the Survey.

Mineral resources of the United States, 1882-date. r557.3 U25

Reports for 1894-1899 will be found in the Annual reports of the United States geological survey.

Reports for 1882-1899 are indexed in Bulletin 177 of the Survey.

For earlier reports see United States—Mining statistics, Commissioner of. Statistics of mines and mining in the states and territories west of the Rocky mountains, r553 U25.

Topographic atlas of the United States. Folio 1-3. 1898-

1900. qr557.3 U25t

Folios 1-3 are indexed in Bulletin 177 of the Survey.

"The topographic sheets represent a great variety of topographic features, and with the aid of descriptive text they can be used to illustrate topographic forms. This has led to the projection of an educational series of topographic folios, for use wherever geography is taught in high schools, academics, and colleges. Of this series the first three folios have been issued, viz: 1-2. Physiographic types, by Henry Gannett. 3. Physical geography of the Texas region, by R. T. Hill."

Topographic sheets. 1882-date. qr557.3 U25to

These sheets are indexed in no. 177 of the Bulletins of the Survey.

Index maps to the Topographic atlas sheets issued to August 1902, will be found in qr557.3 U25i.

"When, in 1882, the Geological Survey was directed by law to make a geologic map of the United States, there was in existence no suitable topographic map to serve as a base for the geologic map. The preparation of such a topographic map was therefore immediately begun. About three-tenths of the area of the country, excluding Alaska, has now [1901] been thus mapped. The map is published in

atlas sheets, each sheet representing a small quadrangular district...
The mapped areas are widely scattered, nearly every State being
represented."

About 1225 of the atlas sheets have been issued and are in the library.

PATTON, Jacob Harris.

Natural resources of the United States. 1888.....r557.3 P31

The same; condensed. 1891. (Science primers.).....557.3 P31

The same. 1897. (Science primers.)r557.3 P31n

SHALER, Nathaniel Southgate, and others.

Geology of the Narragansett basin. 1899. (United States—

Geological survey. Monographs.).....qr557.4 S52

"Bibliography of the Cambrian and carboniferous rocks of the Narragansett basin," p.212-214.

State surveys

Maine

MAINE—Geological survey.

Annual report (2d-3d) on the geology of Maine, by Charles

T. Jackson. 1838-39.....r557.41 M26

Report of an exploration and survey of the territory on the

Aroostook river during the spring and autumn of 1838,

by E. Holmes. 1839.....r557.41 M26

Bound with the Annual report of the geology of Maine.

STONE, George Hapgood.

Glacial gravels of Maine and their associated deposits. 1899.

(United States—Geological survey. Monographs.)..qr557.41 S87

Bibliography, p.2-4.

New Hampshire

NEW HAMPSHIRE—Geological survey. (1st survey.)

Final report on the geology and mineralogy of New Hamp-

shire, with contributions towards the improvement of agri-

culture and metallurgy, by C. T. Jackson. 1844.....qr557.42 N26

"The nature of the work was mineralogical. The general view of age
and structure presented was that of the older authors, all granite
being regarded as 'Primary,' and the dips of strata outward in every
direction from an igneous center." C. H. Hitchcock.

NEW HAMPSHIRE—Geological survey. (2d survey.)

Geology of New Hampshire; report comprising the re-

sults of explorations ordered by the legislature, by

C. H. Hitchcock. 4v. 1874-78.....qr557.42 N26g

v.1. Physical geography.

v.2. Stratigraphical geology.

v.3. Surface geology.—Mineralogy and lithology.—Economic geology.

v.4. Atlas.

Vermont

VERMONT—Geological survey.

Annual report (1st-2d) on the geology of Vermont, 1845-

1846. 1845-46.....r557.43 V27

Report of the state geologist on the mineral industries and

geology of certain areas, 1901-1902. 1902.....r557.43 V27re

List of official reports and other publications on Vermont geology,
p.14-21.

- Report on the geology of Vermont; descriptive, theoretical, economical and scenographical, by Edward Hitchcock and others. 2v. 1861.....qr557.43 V27r
This is the final report of the survey which was begun in 1845. The state made no appropriation for geological work between the years 1861 and 1896, and the so-called state geologist was really only curator of the State Cabinet. Whatever geological work was done was carried on without state aid.

Massachusetts

MASSACHUSETTS—Geological survey.

- Final report, by Edward Hitchcock. 2v. 1841.....qr557.44 M45
v.1. Economical geology.—Scenographical geology.
v.2. Scientific geology.—Elementary geology.—Catalogue of the specimens of rocks and minerals in the state collection.

- Report on the geology, mineralogy, botany and zoology of Massachusetts, with a descriptive list of the specimens of rocks and minerals collected for the government, by Edward Hitchcock. 1833.....qr557.44 M45r
Contents: Economical geology.—Topographical geology.—Scientific geology.—Catalogues of animals and plants.

PUMPELLE, Raphael, and others.

- Geology of the Green Mountains in Massachusetts. 1894.
(United States—Geological survey. Monographs.)...qr557.44 P98
Contents: Geology of the Green Mountains in Massachusetts, by Raphael Pumpelly.—The geology of Hoosac Mountain and adjacent territory, by J. E. Wolff.—Mount Greylock; its areal and structural geology, by T. N. Dale.

EMERSON, Benjamin Kendall.

- Geology of old Hampshire county, Massachusetts, comprising Franklin, Hampshire and Hampden counties. 1898.
(United States—Geological survey. Monographs.)...qr557.442 E58
Bibliography, p.762-782.

Rhode Island

RHODE ISLAND—Geological and agricultural survey.

- Report on the geological and agricultural survey of the state of Rhode-Island, made under a resolve of legislature in 1839, by C. T. Jackson. 1840.....r557.45 R38

New York

NEW YORK (state)—Geological survey.

- Annual report (2d, 4th) of the first geological district of the state of New York, 1837, 1839, by W. W. Mather.
(In its Reports relative to the geological survey, 1837, 1839.).....r557.47 N26
A later and more complete report of this district will be found in v.9 of the Natural history of New York, (qr570.9747 N26).
The first geological district of New York consisted of the counties of Suffolk, Queens, Kings, Richmond, New York, Westchester, Rockland, Putnam, Dutchess, Orange, Sullivan, Delaware, Ulster, Greene, Columbia, Rensselaer, Albany, Schoharie, Schenectady, Saratoga and Washington, containing an area of 12,263 square miles.
Annual report (2d, 4th) of the survey of the second geological district, by E. Emmons, 1837, 1839. (In its Re-

ports relative to the geological survey, 1837, 1839.) . . . r557.47 N26

A later and more complete report of this district will be found in v.9 of the Natural history of New York, (qr570.9747 N26).

The second geological district of New York consisted of the counties of Warren, Essex, Franklin, Clinton, Hamilton, Jefferson and St. Lawrence, making 10,817 square miles.

Annual report (2d, 4th) of the geological survey of the third district, by Lardner Vanuxem, 1837, 1839. (In its

Reports relative to the geological survey, 1837, 1839.) . . . r557.47 N26

Title of the second report reads, "Second annual report of so much of the geological survey of the third district of the state of New York as relates to objects of immediate utility."

A later and more complete report of this district will be found in v.9 of the Natural history of New York, (qr570.9747 N26).

The third geological district comprised the counties of Fulton, Montgomery, Herkimer, Oneida, Lewis, Oswego, Madison, Onondaga, Cayuga, Wayne, Ontario, Monroe, Orleans, Genesee and Livingston, making 11,468 square miles.

Annual report (2d, 4th) of the survey of the fourth district, by James Hall, 1837, 1839. (In its Reports rela-

tive to the geological survey, 1837, 1839.) . . . r557.47 N26

A later and more complete report of this district will be found in v.9 of the Natural history of New York, (qr570.9747 N26).

The fourth district consisted of the counties of Otsego, Chenango, Broome, Tioga, Chemung, Cortland, Tompkins, Seneca, Yates, Steuben, Allegany, Cattaraugus, Chautauqua, Erie and Niagara, embracing an area of 11,594 square miles.

The third and fourth districts were afterward reorganized, making all the counties to the west of Cayuga lake, and a line drawn north and south from its two extremities, the fourth district, which contained 11,060 square miles.

NEW YORK (state)—Geologist.

Report (7th-date) of the state geologist to the regents, for the year 1887-date. 1888-date. (In New York (state)

—Museum. Annual report, 1887-date.) . . . qr507 N26

Reports (1st-20th), 1881-1900, are indexed in Bulletin no.66 of the New York state museum, qr507 N26b.

Until 1898 the reports of the state geologist contained the reports of the paleontologic work. The geologist originated from the commission of 1837 on the geological survey and the title of paleontologist was added in 1843. For the early reports, see Annual reports of the geological districts (r557.47 N26), and v.9-12 of the Natural history of New York (qr570.9747 N26).

Pennsylvania

PENNSYLVANIA—Committee on a geological and mineralogical survey of the state.

Report read in the House of representatives, Feb. 3, 1836. 1836. r557.48 P39

Bound with other pamphlets.

PENNSYLVANIA—Geological survey. (1st survey.)

Annual report (1st-6th), on the geological survey, by H.

D. Rogers, state geologist, made to the legislature,

1836-41. 1836-42. r557.48 P39

"At the time of the organization of the Survey, it was estimated that it would occupy at least ten years; but the financial embarrassments of the Commonwealth made it expedient to withhold further appropriations after the sixth year, and to bring the Survey abruptly to a close before it could be completed in all its parts." *H. D. Rogers.*

A vast mass of material was reserved for the Final report, which, however, did not appear for seventeen years, viz in 1858, (qr557.48 P39g).

Geology of Pennsylvania; a government survey by H. D.

Rogers. 2v. 1858.....qr557.48 P39g

- v.1, Book 1. Primal auroral strata of the Atlantic slope.
- Book 2. Kittatinny valley.
- Book 3. Stroudsburg.—Orwigsburg valley.
- Book 4. Northeastern district.
- Book 5. Lower Juniata district.
- Book 6. Upper Juniata district.
- Book 7. Seventh district in the northwest corner of the state.
- v.2, Book 8. Anthracite coal region.
- Book 9. Bituminous coal fields.

This is the Final report of the first geological survey. It could not be published until 1858 because of lack of funds.

"The first survey of Pennsylvania may be truly said to close in 1851. All [work] between that and the appearance of the Final report in 1858 was of superficial revision in the field, and editorial labor in the cabinet." *J. P. Lesley*, 1876.

PENNSYLVANIA—Geological survey. (2d survey.)

Annual report, 1885-1887. 3v. in 9. 1886-89.....r557.48 P399

The same. 1886. v.2. 1887557.48 P399

Final report; a summary description of the geology of Penn-

sylvania, with index. 4v. in 6. 1892-95.....r557.48 P399f

- v.1. Description of the Laurentian, Huronian, Cambrian and lower silurian formations.
- v.2. Description of the upper silurian and Devonian formations.
- v.3, pt.1. Description of the carboniferous formation.
- v.3, pt.2. Description of the bituminous coal fields.
- v.4, pt.1. Atlas to final report.
- v.4, pt.2. Index to final report.

The same. v.1. 1892557.48 P399f

"The accuracy of the statements of the geologists [of the First survey] whose reports are condensed and consolidated in the final report of Prof. H. D. Rogers, published in 1858, is a matter of frequent remark and admiration. Yet the First survey was essentially a reconnaissance. Those engaged in it thirty years ago worked chiefly without instruments of precision and under the greatest inconvenience. Their views were broad, their isolated observations numerous and exact, but their districts never were accurately surveyed by them, nor could be. The second survey is intended to supply this lack; to take up their work where they left off; to reduce their general statements to precision; to measure, where they could only estimate; to define, what they could only indicate; to demonstrate what they could see to be true, but which they could not prove and show in all its truth." *J. P. Lesley*, *state geologist*.

Geological hand-atlas of the 67 counties of Pennsylvania.

1885qr557.48 P399g

Grand atlas. v.1-5, in 6. 1884-85.....qr557.48 P399gr

- v.1. County geological maps.
- v.2 in 2. Anthracite coal fields.
- v.3. Petroleum and bituminous coal fields.
- v.4. South Mountain and Great Valley topographical maps.
- v.5. Central and south-eastern Pennsylvania.

A list of, and brief guide to, the publications of the Pennsylvania geological survey, 1874-1895; compiled by H. P.

Miller. 1896.....r557.48 P399l

Reports of progress, (A-Z). 107v. 1875-90.....r557.48 P399r

For analytical contents see check list which is kept at the reference desk.

A.v.1. History of the First geological survey of Pennsylvania, from 1836 to 1858, by J. P. Lesley.

A2. v.2. Report on the causes, kinds and amount of waste in mining anthracite coal, by F. Platt.

AC. v.3-4. Report on mining methods, with atlas.

AA. v.5-27. Report of progress of the anthracite survey, with atlases.

B. v.28-29. Report on the minerals.

C. v.30-37. Reports on counties.

D. v.38-44. Reports on counties.

E. v.45. Trap dykes and azoic rocks of south east Pennsylvania.

F. v.46-49. Report on Juniata river district.

- G. v.50-56. Reports on counties.
 H. v.57-64. Reports on counties.
 I. v.65-70. Reports on various oil regions.
 J. v.71. Report on the oil region, by H. E. Wrigley.
 K. v.72-75. Report on Fayette and Westmoreland counties and on Monongahela river coal mines.
 L. v.76. Report on the Youghiogheny coke manufacture, by F. Platt.
 M. v.77-79. Report of chemical analyses, 1874-80.
 N. v.80. Report on the levels above tide of railroads, canals, etc., by C. Allen.
 O. v.81-83. Catalogue of specimens collected by the survey.
 P. v.84-91. Report on the coal flora and Dictionary of fossils found in Pennsylvania.
 Q. v.92-95. Reports on counties.
 R. v.96-99. Reports on counties.
 T. v.100-104. Reports on counties.
 V. v.105-106. Reports on counties.
 X. v.107. Geological hand atlas of the sixty-seven counties of Pennsylvania.
 Z. v.108. Report on the terminal moraine across Pennsylvania.
 D4, S and Y were never published.
The same, (AC, I3, I5). v.3-4, 67-68, 70. 1883-90.....557.48 P399r
 LESLEY, John Peter.
 Geology of the Pittsburgh coal region. 1886.....r557.488 L64

New Jersey

- NEW JERSEY—Geological survey. (1st survey.)
 Description of the geology of New Jersey; a final report, by H. D. Rogers. 1840.....r557.49 N26
 NEW JERSEY—Geological survey. (2d survey.)
 Annual report (2d), for the year 1855. 1856.....r557.49 N26a
 NEW JERSEY—Geological survey. (3d survey.)
 Annual report (19th-date), of the state geologist, 1882-
 date. 1882-date.....r557.49 N26an
 pt.2 of the report for 1899, which is a report on forests, is catalogued separately, r634.9 N26; Appendix to the report for 1902 is also catalogued separately, r562 W48.
 Final report of the state geologist. 5v. in 7. 1888-1902.qr557.49 N26f
 v.1. Geodetic survey, by E. A. Bowser.—Physical description, by C. C. Vermeule.—Population.—Bench-marks.—Magnetic survey.—Climatology, by J. C. Smock.
 v.2 in 2. Catalogue of minerals found in New Jersey, by F. A. Canfield.—Catalogue of plants, by N. L. Britton.—Catalogue of insects, by J. B. Smith.—Catalogue of vertebrates, by Julius Nelson.
 v.3. Report on the water supply, by C. C. Vermeule.
 v.4. Physical geography of New Jersey, by R. D. Salisbury.—Appendix, by C. C. Vermeule.
 v.4, pt.2. Relief map of New Jersey, by J. C. Smock and C. C. Vermeule.
 v.5. The glacial geology of New Jersey, by R. D. Salisbury and others.
 Geology of New Jersey, by G. H. Cook. 1868.....qr557.49 N26g
Contents: Introduction.—DETAILED GEOLOGY: Azoic formation.—Paleozoic formation.—Triassic formation.—Cretaceous formation.—Tertiary and recent formations.—Historic geology.—ECONOMIC GEOLOGY: Fertilizers.—Building materials.—Ores.—Manufacturers' materials and useful products.
 This is the Final report.
 NEW JERSEY—Geological survey. (2d survey.)
 Geology of the county of Cape May, by G. H. Cook.
 1857r557.499 N26
Contents: Physical and geological description.—Economic geology.—Catalogues of zoological and botanical productions of the county of Cape May.—Sketch of the early history of the county of Cape May.

Maryland

MARYLAND—Geological survey.

[Report.] v.1-date. 1897-date.....qr557.52 M43

v.1. Introduction, by W. B. Clark.—Historical sketch, embracing an account of the progress of investigation concerning the physical features and natural resources of Maryland, by W. B. Clark.—Outline of present knowledge of the physical features of Maryland, by W. B. Crane.—Bibliography and cartography of Maryland, by E. B. Mathews.—First report upon magnetic work in Maryland, by L. A. Bauer.

v.2. Administrative report, by W. B. Clark.—The building and decorative stones of Maryland, by G. P. Merrill and E. B. Mathews.—Report on the cartography of Maryland, by Henry Gannett and E. B. Mathews.

v.3. Introduction, including an account of the organization of highway investigations by the Maryland geological survey, by W. B. Clark.—The relations of Maryland topography, climate and geology to highway construction, by W. B. Clark.—Highway legislation in Maryland, and its influence on the economic development of the state, by St. G. L. Sioussat.—The present condition of Maryland highways, by A. N. Johnson.—Construction and repair of roads, by A. N. Johnson.—Qualities of good road-metals and the methods of testing them, by H. F. Reid.—The administration of roads, including the method and expense of road improvements, by H. F. Reid.—The advantages of good roads, by H. F. Reid.

v.4. Paleozoic Appalachia, or the history of Maryland during paleozoic time, by Bailey Willis.—Second report on the highways of Maryland, by H. F. Reid and A. N. Johnson.—Report on the clays of Maryland, by Heinrich Ries.

[Report on county resources.] [v.1-3.] 1900-1902....qr557.52 M43r

[v.1.] Allegany county, with atlas.

[v.2.] Cecil county, with atlas.

[v.3.] Garrett county, with atlas.

Each volume contains a bibliography of references to the geology of the county described.

[Reports on the systematic geology and paleontology of

Maryland.] v.1. 1901.....qr557.52 M43re

v.1. Eocene.

Virginia. West Virginia

WEST VIRGINIA—Geological survey.

Bulletin. no.1-date. 1901-date.....r557.54 W56b

no.1. A bibliography of works upon the geology and natural resources of West Virginia, 1764-1901, and also A cartography of West Virginia, 1737-1901, comp. by S. B. Brown.

Report, 1897-date. v.1-date. 1899-date.....r557.54 W56

v.1. Report of Geological commission.—Levels above tide, by I. C. White.—Variation of the magnetic compass, by R. U. Goode.—Petroleum and natural gas, by I. C. White.

v.2. Levels above tide, true meridians, etc., by I. C. White.—Appalachian coal field, by I. C. White.

BOYD, Charles R.

Resources of south-west Virginia, showing the deposits of iron, coal, zinc, copper and lead. 1881.....557.55 B66

The same. 1881.....r557.55 B66

CAMPBELL, John Lyle, 1818-86.

Geology and mineral resources of the James river valley, Virginia. 1882.....r557.55 C15

McCREATH, Andrew S. & D'Invilliers, E. V.

Geological and chemical report on a portion of the Virginia and Tennessee coal and iron company's property; embracing about 15,000 acres along the Clinch valley

- division of the Norfolk & Western R. R., Wise county,
Va. 1892.....r557.55 M14g
- ROGERS, William Barton.
Reprint of annual reports and other papers on the geology
of the Virginias, [ed. by Emma Rogers]. 1884.....r557.55 R61
Contents: Annual reports of progress of the geological survey for 1835-
41.—Physical structure of the Appalachian chain.—Artesian borings at
Fortress Monroe.—Age of the coal rocks of eastern Virginia.—Observa-
tions on the natural coke of the oölite coal region in the vicinity of
Richmond.—Gravel and cobble-stone deposits of Virginia and the Middle
states.—Notes from Macfarlane's Geological railway guide, 1879.—
Analysis of waters of the principal mineral springs of Virginia.—Re-
port on the Pridevale coal and iron ore, West Virginia.—Subterranean
temperature in the coal mines of eastern Virginia.—Contributions to
the geology of the tertiary formations of Virginia.—Some observa-
tions on the tertiary marl of lower Virginia.—Connection of thermal
springs in Virginia with anticlinal axes and faults.
- The VIRGINIAS; a mining, industrial and scientific journal,
devoted to the development of Virginia and West Vir-
ginia; monthly. v.1-4. 1880-83.....qr557.55 V34

North Carolina. South Carolina

- NORTH CAROLINA—Geological survey.
Bulletin. no.1, 6, 8-11, 13-date. 1893-date.....r557.56 N45b
no.1. Iron ores of North Carolina, by H. B. C. Nitze.
no.6. Timber trees and forests of North Carolina, by Gifford Pinchot
and W. W. Ashe.
no.8. Papers on the waterpower of North Carolina, by G. F. Swain and
others.
no.9. Monazite and monazite deposits in North Carolina, by H. B. C.
Nitze.
no.10. Gold mining in North Carolina and adjacent Appalachian
regions, by H. B. C. Nitze and H. A. J. Wilkens.
no.11. Corundum and the basic magnesian rocks of western North
Carolina, by J. V. Lewis.
no.13. Clay deposits and clay industry in North Carolina, by Heinrich
Ries.
Report of the geological survey, 1875, by W. C. Kerr, state
geologist. v.1. 1875.....qr557.56 N45
- SOUTH CAROLINA—Agricultural and geological survey.
Report on the geology of South Carolina, by Michael
Tuomey. 1848.....qr557.57 S72

Georgia

- GEORGIA—Geological survey.
Administrative report of the state geologist, for the year
ending Oct. 1894-1900. 1894-1900.....r557.58 G31a
The report for 1894/95 was not issued but the report printed in 1896
covers the period from Oct. 24, 1894 to Oct. 15, 1896.
Bulletin. no.1-2; no.3-A; no.4-A; no.5-A; no.6-A; no.7;
no.8; no.9-A; no.10-A. 1894-1902.....qr557.58 G31
no.1. McCallie, S. W. Preliminary report on the marbles of Georgia.
no.2. King, F. P. Preliminary report on the corundum deposits of
Georgia.
no.3-A. Hall, B. M. comp. Preliminary report on a part of the water-
powers of Georgia.
no.4-A. Yeates, W. S. and others. Preliminary report on a part of
the gold deposits of Georgia.
no.5-A. McCallie, S. W. Preliminary report on a part of the phos-
phates and marls of Georgia.

- no.6—A. Ladd, G. E. Preliminary report on a part of the clays of Georgia.
 no.7. McCallie, S. W. Preliminary report on the artesian-well system of Georgia.
 no.8. McCallie, S. W. Preliminary report on roads and road-building materials of Georgia.
 no.9—A. Watson, T. L. Preliminary report on a part of the granites and gneisses of Georgia.
 no.10—A. McCallie, S. W. Preliminary report on a part of the iron ores of Georgia; Polk, Bartow and Floyd counties.

Paleozoic group; the geology of ten counties of northwestern

- Georgia, by J. W. Spencer. 1893.....r557.58 G31p
 Bibliography of Georgia geology, p.365-367.

Alabama

ALABAMA—Geological survey.

- Bulletin. v.5, no.1. 1887.....qr557.61 A31bu
 no.1. Herrick, C. L. List of the fresh-water and marine crustacea of Alabama.
 It was originally intended to publish the final reports of the survey under several different heads of which v.5 was Botany and zoology. It was found impossible to carry out this plan, but Herrick's List of crustacea was printed while the officials of the survey still had this intention.
 Bulletin. no.2, 4-7. 1892-1903.....r557.61 A31b
 no.2. Smith, E.A. Phosphates and marls of Alabama.
 no.4-6. Hayes, C.W. Report on the geology of north-eastern Alabama and adjacent portions of Georgia and Tennessee.—Brewer, W. M. and others. Preliminary report on the upper gold belt of Alabama; with supplementary notes on the most important varieties of the crystalline or metamorphic rocks of Alabama.—Ries, Heinrich. Preliminary report on the clays of Alabama.
 no.7. Hall, B. M. Preliminary report on a part of the water powers of Alabama.
 Report on the Cahaba coal field, by Joseph Squire, with an appendix on the geology of the valley regions adjacent to the Cahaba field, by E. A. Smith, with map. 1890..r557.61 A31rep
 Report on the geological structure of Murphree's valley, and its minerals and other materials of economic value, by A. M. Gibson. 1893.....r557.61 A31re
 Report on the geology of the coastal plain of Alabama, by E. A. Smith and others; with contributions to its paleontology, by T. H. Aldrich and K. M. Cunningham. 1894.....r557.61 A31r
 Report on the valley regions of Alabama (paleozoic strata), by Henry McCalley. 2pts. 1896-97.....r557.61 A31
 pt.1. On the Tennessee valley region.
 pt.2. On the Coosa valley region.
 Reports of progress for the years 1874-1876. 3v. 1875-76r557.61 A31rg

Mississippi

MISSISSIPPI—Agricultural and geological survey.

- Preliminary report on the geology and agriculture of the state of Mississippi, by L. Harper, state geologist. 1857r557.62 M74p
 Being the second report of the survey.
 Report on the agriculture and geology of Mississippi, embracing a sketch of the social and natural history,

by B. L. C. Wailes, geologist of Mississippi. 1854...r557.62 M74

Contents: Historical outline. — Land titles. — Agriculture. — Geology. — Fauna.—Flora.

First report of the Agricultural and geological survey of Mississippi.

Report on the geology and agriculture of the state of Mississippi, by E. W. Hilgard, state geologist. 1860...r557.62 M74r
Being the fourth report of the survey.

Louisiana

LOUISIANA—State university and agricultural and mechanical college. Experiment stations office.

Geology and agriculture. pt.3-6. 1896-1902.....r557.63 L92

pt.3-4. A preliminary report upon the Florida parishes of East Louisiana and the bluff, prairie and hill lands of southwest Louisiana, by W. W. Clendenin.—A preliminary report upon the bluff and Mississippi alluvial lands of Louisiana, by W. W. Clendenin.

pt.5. A preliminary report on the geology of Louisiana; Historical review; General geology, by G. D. Harris and A. C. Veatch.—The Natchitoches area, by G. D. Harris.—The Shreveport area, by A. C. Veatch.—The Five Islands, by A. C. Veatch.—A report on Louisiana clay samples, by H. Ries.—A report on a collection of fossil plants from northwestern Louisiana, by Arthur Hollick.—The cretaceous and lower eocene faunas of Louisiana, by G. D. Harris.—Establishment of meridian lines by G. D. Harris.—A few notes on road making, by G. D. Harris.—Some wood-destroying fungi, by G. F. Atkinson.

pt.6. The tertiary geology of the Mississippi embayment, by G. D. Harris.—The salines of north Louisiana, by A. C. Veatch.—The geography and geology of the Sabine river, by A. C. Veatch.—Notes on the geology along the Ouachita, by A. C. Veatch.—Improvements in Louisiana cartography, by G. D. Harris.—The subterranean waters of Louisiana, by G. D. Harris and J. Pacheco.—The tides in the Rigolets, by R. A. Harris.—Oil in Louisiana, by G. D. Harris.

Texas

CUMMINS, William Fletcher.

Notes on the geology of northwest Texas. 1893.....qr557.64 C91

From the 4th annual report of the Geological survey of Texas, 1892.

KENNEDY, W.

Report on Grimes, Brazos and Robertson counties, Texas.

1893.qr557.64 C91

From the 4th annual report of the Geological survey of Texas, 1892.
Bound with Cummins' Notes on the geology of northwest Texas.

SHUMARD, George Gettz.

Partial report on the geology of western Texas, consisting of a general geological report and a journal of geological observations along the routes traveled by the expedition between Indianola, Texas, and the valley of the Mimbres, New Mexico, 1855 and 1856; with an appendix giving a detailed report on the geology of Grayson county. 1886.....r557.64 S56
Being the notes for the official report of the Texas geological survey for 1855 and 1856, which was never published.

TEXAS—Geological and mineralogical survey. (3d survey.)

Annual report (1st-3d), 1889-91. 1890-92.....qr557.64 T32

For list of accompanying papers see contents book, p.291; kept at the reference desk.

Bulletin. no.1-4, in 1. 1889-90.....r557.64 T32b

Report of progress (2d), 1891. 1892.....r557.64 T32s

Arkansas

ARKANSAS—Geological survey. (Owen survey.)

First report of a geological reconnaissance of the northern
counties of Arkansas made during 1857 and 1858, by
D. D. Owen. 1858.qr557.67 A72 v.1

Second report of a geological reconnaissance of the middle
and southern counties of Arkansas, made during 1859
and 1860, by D. D. Owen. 1860.qr557.67 A72 v.2

ARKANSAS—Geological survey. (Branner survey.)

Annual report, 1887-1892. 1887-1900.r557.67 A72a

1887. Administrative report.

1888, v.1. Administrative report.—Comstock, T.B. Report upon pre-
liminary examination of the geology of western central Arkansas.

1888, v.2. Hill, R. T. Neozoic geology of southwestern Arkansas.—
Hay, O. P. The northern limits of the mesozoic rocks in Arkansas.—
Branner, J. C. On the manufacture of Portland cement.

1888, v.3. Winslow, Arthur. The geology of the coal regions.

1888, v.4. Simonds, F. W. The geology of Washington county.—
Branner, J. C. & Coville, F. V. A list of the plants of Arkansas.

1889, v.2. Call, R. E. The geology of Crowley's ridge.

1890, v.1. Penrose, R. A. F. Manganese.

1890, v.2. Williams, J. F. The igneous rocks of Arkansas.

1890, v.3. Griswold, L. S. Whetstones and the novaculites of Arkansas.

1890, v.4. Hopkins, T. C. Marbles and other limestones, with atlas.

1891, v.1. The mineral waters of Arkansas.

1891, v.2. MISCELLANEOUS REPORTS: Simonds, F. W. & Hopkins, T. C.
The geology of Benton county.—Branner, J. C. Elevations in the
state of Arkansas.—Branner, J. C. Observations on erosion above
Little Rock.—Branner, J. C. Magnetic observations.—Sampson, F. A.
The mollusca of Arkansas.—Bollman, C. H. The myriapoda of
Arkansas.—Meek, S. E. The fishes of Arkansas.—Siebenthal, C. E.
The geology of Dallas county.—Branner, J. C. Bibliography of the
geology of Arkansas.

1892, v.1. Penrose, R. A. F. The iron deposits of Arkansas.

1892, v.2. Harris, G. D. The tertiary geology of southern Arkansas.

1892, v.5. Branner, J. C. The zinc and lead region of north Arkansas,
with atlas.

Tennessee

TENNESSEE—Geological survey.

Geology of Tennessee, by J. M. Safford. 1869.r557.68 T29g

TENNESSEE—State geologist.

Geological report (5th) to the General assembly of Ten-
nessee, Nov. 1839, by Gerard Troost. 1840.r557.68 T29

Kentucky

KENTUCKY—Geological survey. (1st survey.)

Report (1st, 2d, 4th) of the geological survey in Kentucky
made during 1854-1857, and 1858-1859, by D. D.

Owen. 1856-61.qr557.69 K19

KENTUCKY—Geological survey. (2d survey.)

Chemical analyses, A. v.1, 3. 1884-88.qr557.69 K193

v.1. 1st-3d chemical report.—Chemical analyses of the hemp and buck-
wheat plants.

v.3. 7th chemical report.

Part of a new edition of the Reports of progress, in which the articles
are rearranged so as to bring into one series all reports relating to a
given subject or locality.

- Report on the geological and economic features of the Jackson's purchase region, by R. H. Loughridge. 1888. .qr557.69 K193r
- Report on the occurrence of petroleum, natural gas and asphalt rock in western Kentucky; based on examinations made in 1888 and 1889, by Edward Orton. 1891. .qr557.69 K193rep
- Reports of progress; N. S. Shaler, director. v.1, 3, 5. 1876-80.qr557.69 K193re
- Issued biennially; called "new series," as continuation of Owen's survey.
- v.1. Report on the timber growth of Greenup, Carter, Boyd and Lawrence counties in eastern Kentucky, by N. S. Shaler and A. R. Crandall.—Report of the botany of Barren and Edmonson counties, by John Hussey.—Report on the iron ores of Greenup, Boyd and Carter counties, the Kentucky division of the Hanging Rock iron region, by P. N. Moore.—Chemical report of the soils, clays, ores, mineral waters, &c. of Kentucky, by Robert Peter and J. H. Talbutt.—The iron manufacture of the Kentucky division of the Rock iron region, by P. N. Moore.—Report on the geology of the region adjacent to the Louisville, Paducah and Southwestern railroad, with a section, by C. J. Norwood.—Report of a reconnaissance in the lead region of Livingston, Crittenden and Caldwell counties, including a sketch of their general wealth, by C. J. Norwood.
- v.3. General report of the geological survey of Kentucky, by N. S. Shaler.—History of the operations of the survey in 1874 and 1875, by N. S. Shaler.—Notes on the investigations of the Kentucky geological survey during the years 1873, 1874 and 1875, by N. S. Shaler.—Annual report of N. S. Shaler for the year 1876.—The transportation routes of Kentucky and their relation to the economic resources of the commonwealth, by N. S. Shaler.—Description of the preliminary topographical and geological maps of Kentucky, edition of 1876, by N. S. Shaler.—Annual report of N. S. Shaler, state geologist, for the year 1877.—Report on the unfinished work of the survey under the direction of D. D. Owen, by N. S. Shaler.
- v.5. Description of the topography of the area within the reconnaissance triangulation of the United States coast and geodetic survey in Kentucky, 1875-1876, by W. B. Page.—Topographical report of a part of Greenup and Lawrence counties, 1874, by C. Schenk.—On the use of the telemeter in topographical surveys, by C. Schenk.—Report on the timbers of the tradewater region, by L. H. DeFries.—A general account of the geology of a part of Ohio county, by C. J. Norwood.—Report on the timbers of the district west of the Tennessee river, commonly known as the "Purchase district," by L. H. DeFries.—Third chemical report on the soils, clays, ores, mineral waters, &c. of Kentucky, by Robert Peter.—Report on the limonite ores of Trigg, Lyon and Caldwell counties, known as the "Cumberland river ores," by W. B. Caldwell.—Iron, the impurities which commonly occur with it, and their effects, by W. B. Caldwell.—Report on a belt of Kentucky timbers extending east and west from Columbus to Pound Gap, by L. H. DeFries.—Report on the timbers of Boyle and Mercer counties, by W. M. Linney.—Report on the Chinn's Branch cannel coal district, by A. R. Crandall.—Fourth chemical report of the soils, clays, ores, mineral waters, &c. of Kentucky, by Robert Peter.

Ohio

- OHIO—Geological survey. (1st survey.)
Annual report (2d) of W. W. Mather, principal geologist, 1838. [1839.]r557.71 O18a
- OHIO—Geological survey. (2d survey.)
Geological atlas of Ohio; prepared by J. S. Newberry and others. 1879.qr557.71 O18
Report of progress, 1869-1870. v.1-2. 1871.r557.71 O18r

- v.1. Sketch of the progress of the geological survey in 1869, by J. S. Newberry.—Report on the Straitsville coal field, by E. B. Andrews.—Report on the geology of Montgomery county, by Edward Orton.
- v.2. Sketch of the structure of the lower coal measures in northeastern Ohio, by J. S. Newberry.—Report of labors in the 2d geological district during 1870, by E. B. Andrews.—The geology of Highland county, by Edward Orton.—Agricultural survey, by J. H. Klippart.—Report of the chemical department, by T. G. Wormley.—Sketches of the geology of Geauga and Holmes counties, by M. C. Read. — Report on the geology of Williams, Fulton and Lucas counties, by G. K. Gilbert.—Sketch of the present state of the iron manufacture in Great Britain, by W. B. Potter.—Sketch of the present state of the steel industry, by Henry Newton.

Report, with maps. 7v. in 11. 1873-93.....qr557.71 O18re

Contents: Geology, v.1, pt.1; v.2, pt.1; v.3, pt.1; v.7, pt.2.—Palæontology, v.1, pt.2; v.2, pt.2; v.7, pt.2.—Zoology, v.4, pt.1.—Economic geology, v.5-6; v.7, pt.1.

v.3, pt.2, v.4, pt.2 were never published, but material prepared for these volumes appeared in v.7, which was issued by the 3d survey.

Maps accompany v.1-2.

OHIO—Geological survey. (3d survey.)

Annual report (1st), 1890. 1890.....r557.71 O18an

1st report was made by Edward Orton, state geologist. The material gathered for the 2d report of this survey, together with certain other chapters, was published under the title "Geology of Ohio," v.7, in 1893.

Indiana. Illinois

INDIANA—Geology and natural resources department.

Annual report (1st-date), 1869-date. 1869-date.....r557.72 I24

For partial contents see contents book, p.197; kept at the reference desk.

1st-10th reports (7 volumes text, 2 volumes maps), 1869-1878, were issued by the Geological survey, E. T. Cox, state geologist. 3d-4th reports and 8th-10th, were issued as single volumes.

Reports for 1879-1880 are included in the 2d annual report of the Department of statistics and geology, r317.7 I24 v.2.

11th-16th reports, 1881-1888, were issued by the Department of geology and natural history. 15th report covers the years 1885 and 1886. 16th report is for the year 1888. 17th report is for the year 1891, 18th for 1893, after which date reports have been issued each year.

By act of Feb. 26, 1889 the offices of Mine inspector and Oil inspector were abolished and the Department of geology and natural resources, consisting of four divisions, Geology and natural science, Mines and mining, Mineral oils, Natural gas, was created.

ILLINOIS—Geological survey.

Abstract of a report on Illinois coals, with descriptions and analyses and a general notice of the coal fields, by J. G.

Norwood. 1857.....r557.73 I22a

Economical geology of Illinois; reprinted from the original reports of the geological survey, with additions and emendations, by A. H. Worthen, state geologist. v.1-

2. 1882.....r557.73 I22

"Publication...provided for by act...approved May 26, 1881, [which] required...the republication, in three volumes, of all that portion of the six volumes of the original reports that related to the Economical Geology of the State."

[Report; A. H. Worthen, director.] 8v. in 9. 1866-90....qr557.73 I22r

v. 1. Geology.

v. 2. Palæontology.

v.3-8. Geology and palæontology.

v.8 is in 2 parts, pt.2 consisting of plates.

v.8 contains a sketch of A. H. Worthen and a general index to the report.

LEVERETT, Frank.

Illinois glacial lobe. 1899. (United States—Geological survey. Monographs.).....qr557.73 L66

Michigan

CLEMENTS, Julius Morgan, & Smyth, H.L.

Crystal Falls iron-bearing district of Michigan; with a chapter on the Sturgeon river tongue, by W. S. Bayley. 1899.

(United States—Geological survey. Monographs.)...qr557.74 C56

FOSTER, John Wells, & Whitney, J.D.

Report on the geology and topography of a portion of the Lake Superior land district in the state of Michigan.

pt.1. 1850. (United States. 31st cong. 1st sess.

House. Ex. doc. no.69.).....r557.74 F81

pt.1. Copper lands.

MICHIGAN—Geological survey board.

Geological survey of Michigan, 1869–date. v.1–date. 1873–

date.qr557.74 M66

v.1. Upper peninsula, 1869–1873; Iron-bearing rocks (economic), by T. B. Brooks.—Copper-bearing rocks, by Raphael Pumpelly.—Palaeozoic rocks, by C. Rominger.

v.1a. Atlas to accompany Iron-bearing rocks (economic), by T. B. Brooks.

v.2. Upper peninsula, 1869–1873; Appendices to v.1, pt.1, Iron-bearing rocks (economic), by T. B. Brooks.

v.3. Lower peninsula, 1873–1876; pt.1. Geology, pt.2. Palæontology, by C. Rominger.

v.4. Upper peninsula, 1878–1880; Marquette iron region, by C. Rominger.—Menominee iron region, by C. Rominger.

v.5. Upper peninsula, 1881–1884; iron and copper regions, by C. Rominger.—Lower peninsula, 1885–1893; deep borings, by C. E. Wright and others.

v.6. Upper peninsula, 1893–1897; Isle Royale, by A. C. Lane.—Keweenaw Point, with particular reference to the felsites and their associated rocks, by L. C. Hubbard.—The crystallization of the calcite from the copper mines of Lake Superior, by Charles Palache.

v.7. Lower peninsula, 1896–1900; Monroe county, by W. H. Sherzer.—Huron county, by A. C. Lane.—Sanilac county, by C. H. Gordon.

v.8. Clays and shales of Michigan; their properties and uses, by Heinrich Ries.—Coal of Michigan; its mode of occurrence and quality, by A. C. Lane.—Marl (bog lime) and its application to the manufacture of Portland cement, by D. J. Hale and others.

Report of the state board of geological survey of Michigan for the year 1899–1902; being the annual report (1st–4th)

of the state geologist, 1899–1902. 1900–03.qr557.74 M66r

MICHIGAN—Geologist.

Annual report (2d, 4th), [for the year ending Feb. 1, 1839,

1841]. 1839–[41].....r557.74 M668

2d and 4th reports were presented by Douglas Houghton, state geologist.

2d REPORT: Geology, by Douglas Houghton.—Zoology, by Abram

Sager.—Botany, by John Wright.—Topography, by S. W. Higgins.—

Geology of Eaton, Ingham and Jackson counties, by C. C. Douglas.—

Geology of Wayne and Monroe counties, by Bela Hubbard.

4TH REPORT: Topography, geology and mineralogy of the country

bordering on Lake Superior, by Douglas Houghton.—Latitudes and

magnetic variations, by Frederick Hubbard.—Geology, by C. C. Doug-

las.—Geology, by Bela Hubbard.—Topography, by S. W. Higgins.

First biennial report of the progress of the geological survey of Michigan embracing observations on the

geology, zoölogy and botany of the lower peninsula,

[by A. Winchell], 1859–1860. 1861.qr557.74 M668f

pt.1. Geology.

- pt.2. Zoölogy.
pt.3. Botany.

SHEPHERD, Forrest.

Geological survey of the mineral lands on the southern shore of Lake Superior belonging to the Pittsburgh and Boston copper harbor mining company; also a Report of the analysis of the various ores found thereon, by B. Silliman. 1846.r622.33 W66
Bound with Whittlesey's Dissertation upon the origin of mineral coal.

VAN HISE, Charles Richard, & Bayley, W.S.

The Marquette iron-bearing district of Michigan, with atlas, including a chapter on the Republic trough, by H. L. Smyth. 2v. 1896-97. (United States—Geological survey. Monographs.)qr557.74 V19
v.1. Text. v.2. Atlas.
"Geological explorations and literature," by W. S. Bayley, v.1, p.5-148.

Wisconsin

FEATHERSTONHAUGH, George William.

Report of a geological reconnoissance, 1835, by Green Bay and Wisconsin to the Coteau de Prairie. 1836.r557.68 T29 v.5
A report of the United States geologist to the Topographical bureau.
Bound with Tennessee—State geologist. Geological report.

OWEN, David Dale.

Letter of the secretary of the treasury, communicating a report of a geological reconnoissance of the Chippewa land district of Wisconsin and the northern part of Iowa, by David Dale Owen. 1848. (United States. 30th cong. 1st sess. Senate. Ex. doc. no.57.)qr557.75 O34

WISCONSIN—Geological and natural history survey.

Biennial report (1st-date) of the commissioners, for the two years ending Dec. 31, 1898—date. 1899—date.r557.75 W81b

Bulletin. v.1—date. 1898—date.r557.75 W81bu

- v.1-3. Roth, Filibert. On the forestry conditions of northern Wisconsin.—Peckham, G. W. & E. G. On the instincts and habits of the solitary wasps.—Weidman, Samuel. A contribution to the geology of the pre-Cambrian igneous rocks of the Fox river valley, Wisconsin.
v.4. Buckley, E. R. On the building and ornamental stones of Wisconsin.
v.5. Salisbury, R. D. & Atwood, W. W. Geography of the region about Devil's lake and the Dalles of the Wisconsin.
v.6. Grant, U. S. Preliminary report on the copper-bearing rocks of Douglas county, Wis.
v.7, pt.1. Buckley, E. R. Clays and clay industries of Wisconsin.
v.8. Fenneman, N. M. On the lakes of southeastern Wisconsin.
v.9. Grant, U. S. Preliminary report on the lead and zinc deposits of southwestern Wisconsin.
v.10. Buckley, E. R. Highway construction in Wisconsin.

Hydrographic maps. no.1-10. 1898-1901.r557.75 W81h

- no.1. Lake Geneva.
no.2. Elkhart lake.
no.3. Lake Beulah.
no.4. Oconomowoc-Waukesha lake district.
no.5. Chain-o'-lakes, Waupaca co.
no.6. Delavan and Lauderdale lakes.
no.7. Green lake.
no.8. Lake Mendota.
no.9. Big Cedar lake.
no.10. Lake Monona.

WISCONSIN—Geological survey.

Annual report (1st), 1853. 1854.....r557.75 W8t

Geology of Wisconsin, survey of 1873-79. v.1, 3-4. 1880-

83.qr557.75 W81g

Being the final report of the Geological survey.

v.1. General geology.—Natural history.—Industrial resources.

v.3. The Lake Superior region.—Keweenaw rocks.—Eastern Lake Superior district.—Huronian belt west of Penokey Gap.—Western Lake Superior district.—Upper St. Croix district.—Menominee iron region.—Menominee iron region (economic and supplementary).

v.4. The upper Mississippi region.—The lower St. Croix region.—Description of fossils.—Ore deposits of southwestern Wisconsin.—Quartzite of Barron and Chippewa counties.—The Flambeau region.—Crystalline rocks of the Wisconsin valley.—Superficial geology of the upper Wisconsin valley.—Character and methods of the Geodetic survey.

Minnesota

MINNESOTA—Geological and natural history survey.

Annual report (1st-4th, 6th, 9th-24th), 1872-1875, 1877,

1880-1898. 1875-99.....r557.76 M72a

24th (and final) annual report includes reports 1895-98 and contains a general index to the Annual reports (1st-24th), p.179-284.

Bulletin. v.1-10. 1889-98.....r557.76 M72b

v.1. Winchell, N. H. History of geological surveys in Minnesota.

v.2. Wadsworth, M. E. Preliminary description of the peridotites, gabbros, diabases and andesytes of Minnesota.

v.3. Arthur, J. C. Report on botanical work in Minnesota, 1886.

v.4. Oestlund, O. W. Synopsis of the aphididae of Minnesota.

v.5. Winchell, N. H. Natural gas in Minnesota.

v.6. Winchell, N. H. & H. V. Iron ores of Minnesota.

v.7. Herrick, C. L. Mammals of Minnesota.

v.8. Lawson, A. C. Anorthosites of the Minnesota coast of Lake Superior; The laccolitic sills of the north-west coast of Lake Superior.

v.9. Minnesota botanical studies, v.1.

v.10. Spurr, J. E. The iron-bearing rocks of the Mesabi range in Minnesota.

Geology of Minnesota; final report, 1872-1901. 6v. in 7.

1884-1901qr557.76 M72

v.1-2, 4-5. Geology. v.3, in 2. Paleontology.

v.6. Geological atlas, with synoptical descriptions by N. H. Winchell.

MINNESOTA—State geologist.

Annual report [of progress, 1865] on the metalliferous

region bordering on Lake Superior, by H. H. Eames.

1866.r557.76 M727

Iowa

IOWA—Geological survey. (Survey of 1855-59.)

Report on the geological survey of Iowa, embracing the

results of investigations made during the years 1855,

56 & 57, by James Hall [and] J. D. Whitney. v.1 in 2.

1858.....qr557.77 I25r

v.1, pt.1. Geology.

v.1, pt.2. Paleontology.

IOWA—Geological survey. (Survey of 1866-1869.)

Report on the geological survey of the state of Iowa, to

the 13th general assembly, Jan. 1870, containing results

of examinations and observations made within the years

1866, 1867, 1868 and 1869, by C. A. White. 2v. 1870..qr557.77 I25

IOWA—Geological survey. (Survey of 1892—.)

Annual report, 1892-1902. v.1-13. 1893-1903.....qr557.77 I25a

- v.1. ANNUAL REPORT, 1892: Administrative reports.—Geological formations of Iowa, by C. R. Keyes.—Cretaceous deposits of Woodbury and Plymouth counties, with observations on their economic uses, by Samuel Calvin.—Ancient lava flows in northwestern Iowa, by S. W. Beyer.—Distribution and relations of the Saint Louis limestone in Mahaska county, by H. F. Bain.—Annotated catalogue of minerals, by C. R. Keyes.—Some Niagara lime burning dolomites and dolomitic building stones of Iowa, by G. L. Houser.—Bibliography of Iowa geology, by C. R. Keyes.
- v.2. Coal deposits of Iowa, by C. R. Keyes.
- v.3. ANNUAL REPORT, 1893: Administrative reports.—Work and scope of the geological survey, by C. R. Keyes.—Cretaceous deposits of the Sioux valley, by H. F. Bain.—Certain Devonian and carboniferous outliers in eastern Iowa, by W. H. Norton.—Geological section along Middle river in central Iowa, by J. L. Tilton.—Glacial scorings in Iowa, by C. R. Keyes.—Thickness of the paleozoic strata of north-eastern Iowa, by W. H. Norton.—Composition and origin of Iowa chalk, by Samuel Calvin.—Buried river channels in southeastern Iowa, by C. H. Gordon.—Gypsum deposits of Iowa, by C. R. Keyes.—Geology of Lee county, by C. R. Keyes.—Geology of Des Moines county, by C. R. Keyes.
- v.4. ANNUAL REPORT, 1894: Administrative reports.—Geology of Allamakee county, by Samuel Calvin.—Geology of Linn county, by W. H. Norton.—Geology of Van Buren county, by C. H. Gordon.—Geology of Keokuk county, by H. F. Bain.—Geology of Mahaska county, by H. F. Bain.—Geology of Montgomery county, by E. H. Lonsdale.
- v.5. ANNUAL REPORT, 1895: Administrative reports.—Geology of Jones county, by Samuel Calvin.—Geology of Boone county, by S. W. Beyer.—Geology of Warren county, by J. L. Tilton.—Geology of Washington county, by H. F. Bain.—Geology of Woodbury county, by H. F. Bain.—Geology of Appanoose county, by H. F. Bain.
- v.6. Lead and zinc deposits of Iowa, by A. G. Leonard.—The Sioux quartzite and certain associated rocks, by S. W. Beyer.—Artesian wells of Iowa, by W. H. Norton.—Relations of the Wisconsin and Kansan drift sheets in central Iowa and related phenomena, by H. F. Bain.
- v.7. ANNUAL REPORT, 1896: Administrative reports.—Geology of Johnson county, by Samuel Calvin.—Geology of Cerro Gordo county, by Samuel Calvin.—Geology of Marshall county, by S. W. Beyer.—Geology of Polk county, by H. F. Bain.—Geology of Guthrie county, by H. F. Bain.—Geology of Madison county, by J. L. Tilton and H. F. Bain.
- v.8. ANNUAL REPORT, 1897: Administrative reports.—Geology of Dallas county, by A. G. Leonard.—Geology of Delaware county, by Samuel Calvin.—Geology of Buchanan county, by Samuel Calvin.—Geology of Decatur county, by H. F. Bain.—Geology of Plymouth county, by H. F. Bain.—Properties and tests of Iowa building stones, by H. F. Bain.
- v.9. ANNUAL REPORT, 1898: Administrative reports.—Geology of Carroll county, by H. F. Bain.—Geology of Humboldt county, by T. H. Macbride.—Geology of Story county, by S. W. Beyer.—Geology of Muscatine county, by J. A. Udden.—Geology of Scott county, by W. H. Norton.—Artesian wells of the Belle Plaine area, by H. R. Mosnat.
- v.10. ANNUAL REPORT, 1899: Administrative reports.—Statistics of mineral productions, by S. W. Beyer.—Fossil fauna of the Kinderhook beds of Burlington, by Stuart Weller.—Geology of Lyon and Sioux counties, by F. A. Wilder.—Geology of Osceola and Dickinson counties, by T. H. Macbride.—Geology of Hardin county, by S. W. Beyer.—Geology of Worth county, by I. A. Williams.—Geology of Dubuque county, by Samuel Calvin and H. F. Bain.
- v.11. ANNUAL REPORT, 1900: Administrative reports.—Mineral production of Iowa in 1900, by S. W. Beyer.—Geology of Louise county, by J. A. Udden.—Geology of Marion county, by B. L. Miller.—Geology of Pottawattamie county, by J. A. Udden.—Geology of Cedar county, by W. H. Norton.—Geology of Page county, by Samuel Calvin.—Geology of Clay and O'Brien counties, by T. H. Macbride.
- v.12. ANNUAL REPORT, 1901: Administrative reports.—Statistics of mineral production, by S. W. Beyer.—Geology of Webster county, by F. A. Wilder.—Geology of Henry county, by T. E. Savage.—Geology of Cherokee and Buena Vista counties, by T. H. Macbride.—Geology of Jefferson county, by J. A. Udden.—Geology of Wapello county, by A. G. Leonard.

- v.13. ANNUAL REPORT, 1902: Administrative reports.—Geology of Howard county, by Samuel Calvin.—Geology of Kossuth, Hancock and Winnebago counties, by T. H. Macbride.—Geology of Mills and Fremont counties, by J. A. Udden.—Geology of Tama county, by T. E. Savage.—Geology of Chickasaw county, by Samuel Calvin.—Geology of Mitchell county, by Samuel Calvin.—Report on the lithographic stone of Mitchell county, by A. B. Hoen.—Geology of Monroe county, by S. W. Beyer and L. E. Young.
- Bulletin. no.1—date. 1901—date.....r557.77 I25b
- v.1. Pammel, L. H. and others. The grasses of Iowa.

Missouri

MISSOURI—Geological survey. (1st survey.)

- Annual reports (1st-2d), 1853-1854, by G. C. Swallow, state geologist. 1855.....qr557.78 M74a
- Five reports were published by this first survey, but the second is the only one which embodies field work, and is the one generally known as the Swallow report. The others are very brief reports of administration and progress.
- Geological report of the country along the line of the south-western branch of the Pacific railroad, state of Missouri, by G. C. Swallow. 1859.....r557.78 M74
- Contains also a Memoir of the Pacific railroad.
- A general account of the resources along the line of the railroad. A somewhat fuller report was published by the Pacific Railway Co. in New York.

MISSOURI—Geological survey. (2d survey.)

- Preliminary report on the iron ores and coal fields from the field work of 1872, by Raphael Pumpelly, director. 1873qr557.78 M74p
- Contents: Geology of Pilot Knob and its vicinity, by Raphael Pumpelly.—Analyses of iron-ores, pig-irons and fuels, by Regis Chauvenet and A. A. Blair.—Iron-ores of Missouri, by Adolf Schmidt.—Geology of northeastern Missouri, by G. C. Broadhead, and of Lincoln county, by W. B. Potter.
- Reports on the geological survey of the state of Missouri, 1855-71, by G. C. Broadhead, F. B. Meek and B. F. Shumard. 1873.....qr557.78 M74r
- Report of the geological survey of the state of Missouri including field work of 1873-74, by G. C. Broadhead, state geologist. 1874.....qr557.78 M74re
- Contents: Lead region of south-west Missouri, by Ad. Schmidt.—Special description of ore deposits.—Lead region of central Missouri.

MISSOURI—Geological survey.

- Industrial report [1875-76] on lead, zinc and iron; with notes on Shannon county and its copper deposits, by C. P. Williams, acting state geologist. 1877.....r557.78 M74i
- The second survey of Missouri was discontinued after 1874, and most of its working material was transferred to the state School of mines at Rolla, of which the president, Dr C. P. Williams, was made acting state geologist. This was the only report made by Dr Williams.

MISSOURI—Geological survey. (3d survey.)

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- Contents: Bibliography of the geology of Missouri, by F. A. Sampson.—The clay, stone, lime and sand industries of St. Louis city and county, by G. E. Ladd.—The mineral waters of Henry, St. Clair, Johnson and Benton counties, by A. E. Woodward.—A description of some lower carboniferous crinoids from Missouri, by S. A. Miller.—The age and origin of the crystalline rocks of Missouri, by Erasmus Haworth.—Notes on the clays and building stones of certain western central counties tributary to Kansas City, by G. E. Ladd.

Sheet report. 1892-94.....qr557.78 M74s

Contents: Higginsville sheet, Lafayette county.—Bevier sheet, including portions of Macon, Randolph and Chariton counties. — Iron Mountain sheet, including portions of Iron, St. Francois and Madison counties.

Subject reports, 1891-1892, 1894-date. v.1-3, 6-date. 1891-date.qr557.78 M74su

- v.1. Preliminary report on the coal deposits of Missouri.
- v.2. Report on the iron ores of Missouri, by F. L. Nason.
- v.3. Report on the mineral waters of Missouri, by Paul Schweitzer.
- v.6-7. Lead and zinc deposits, by Arthur Winslow.
- v.8. Organization and results of a state geological survey, by C. R. Keyes.—Crystalline rocks of Missouri, by Erasmus Haworth.—Dictionary of altitudes, by C. F. Marbut.—Characteristics of the Ozark mountains, by C. R. Keyes.—Coal measures of Missouri, by G. C. Broadhead.
- v.9. Reports on areal geology.
- v.10. Surface features of Missouri and bibliography, by C. R. Keyes.
- v.11. Clay deposits, by H. A. Wheeler.
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- v.3. Special report on coal.
- v.4. Paleontology, pt.1, (On the upper cretaceous).
- v.5. Special report on gypsum and gypsum cement plasters.
- v.6. Paleontology, pt.2, (Carboniferous invertebrates and cretaceous fishes).
- v.7. Special report on mineral waters.

NEBRASKA—Geological survey.

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South Dakota

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Bulletin. no.2-3, in 1. 1898-1902.....r557.83 S726
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v.2. The Andes and pampas, by Archibald MacRae.—Minerals, by J. L. Smith.—Indian remains, by Thomas Ewbank.—Mammals, by S. F. Baird.—Birds, by John Cassin.—Reptiles, fishes and crustacea, by Charles Girard.—Shells, by A. A. Gould.—Dried plants, by Asa Gray.—Living plants and seeds, by W. D. Brackenridge.—Fossil mammals, by Jeffries Wyman.—Fossil shells, by T. A. Conrad.

v.3. Observations to determine the solar parallax, by J. M. Gilliss.

v.6. Magnetical and meteorological observations, by J. M. Gilliss.

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v.9-12. Geology.
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v.6. Botany.

v.7. Archaeology.

v.8. Tables of geographic positions, azimuths and distances.

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"The first volume... is devoted to geography, and contains much material
of high value. App. F., vol.1, is an account of the discovery and
exploration of the western United States from 1500 to 1880, includ-
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1800 and 1857. It is an invaluable aid to careful study of the western
country. A brief abstract is given of various expeditions, with names
of leaders, dates, routes, manner of publication, etc." *Larned's Liter-
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TURNER, Lucien M.

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CUNNINGHAM, Robert Oliver.

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Monograph of Christmas Island; physical features and geology, with descriptions of the fauna and flora.

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Account of the petrological, botanical and zoological collections made in Kerguelen's Land and Rodriguez during the transit of Venus expeditions, 1874-75. 1879.

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Pre-historic times as illustrated by ancient remains. 1890.....571 L96

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"This is, perhaps, the best summary of the evidence now in our possession concerning the general character of Prehistoric Times. . .

The work may be regarded as introductory to the same author's 'Origin of Civilization.'" C. K. Adams.

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Archæological collection of the Western reserve historical so-

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v.4, no.90.) 571.07 M19

This collection of stone implements, mostly palæoliths and neoliths, is one of the finest in America. The catalogue contains descriptions of the various relics, with illustrations.

MONTELIUS, Oscar.

Civilization of Sweden in heathen times. 1888. 571.09 M85

NILSSON, Sven.

Primitive inhabitants of Scandinavia; an essay on comparative ethnography; containing a description of the implements, dwellings, tombs and mode of living of the savages in the north of Europe during the stone age. 1868....r571.09 N35

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EVANS, John.

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BAYE, J. de, baron.

Industrial arts of the Anglo-Saxons. 1893.....qr571.6 B33

MASON, Otis Tufton.

Woman's share in primitive culture. 1894. (Anthropological series.).....571.6 M45

"Written in exemplification of the fact that the beginnings of all the great industrial arts are due to woman. . . It was the gradual pressure of her insistence upon the value of the product of her first planted food-grains which turned mankind from the nomadic savage into the settled tiller of the soil. Only after the necessity of warfare had grown less urgent . . . did the arts of peace become the province of men. . . The more than equal share played by woman in the invention and spread of language has not been elsewhere set forth with so much clearness." *Nation*.

GROSSE, Ernst.

Beginnings of art. 1897. (Anthropological series.).....571.7 G93

SWAN, James Gilchrist.

The Haidah Indians of Queen Charlotte's Islands, British Columbia, with a brief description of their carvings, tattoo designs, etc. 1874. (Smithsonian institution.

Contributions to knowledge.).....qr594.1 L44
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EVANS, Arthur John.

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Lake dwellings of Switzerland and other parts of Europe.

2v. 1878.....r571.83 K16
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CHAPIN, Frederick Hastings.

Land of the cliff-dwellers. 1892.....571.84 C36

Attractive description of two summers' experiences in New Mexico and southern Colorado, prefaced by a short account of the discovery and development of this novel country. Fully illustrated.

NORDENSKIÖLD, Gustav.

Cliff dwellers of the Mesa Verde, southwestern Colorado;

their pottery and their implements; tr. by D. L. Morgan.

1893.qr571.84 N43

"In order to trace...the development of the cliff-dweller culture, I append a survey of the ruins in the South-western States akin to the cliff-dwellings of the Mesa Verde, a description of the Moki Indians, the descendants of the ancient Pueblo tribes, and an account, based on the relations of the first Spanish explorers, of the manners and customs of the agricultural town-building Indians of the middle of the sixteenth century. A special part of the work is devoted to a description by Prof. G. Retzius of the crania found during the excavations." *Author's preface.*

571.9 Mounds and mound builders

PRIEST, Josiah, *comp.*

American antiquities and discoveries in the West; the evidence that an ancient population peopled America before its discovery by Columbus, with a description of their works. 1833.....r571.9 P94

CARR, Lucien.

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Mound builders, with an investigation into the archæology of Butler county, Ohio. 1893.....571.91 M19

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Primitive man in Ohio. 1892.....571.91 M87
Result of several years' work, and the explorations of 107 mounds, graves and cemeteries.

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GREENWELL, William.

British barrows; a record of the examination of sepulchral mounds in various parts of England, with description of

figures of skulls, and general remarks on prehistoric
crania, by George Rolleston. 1877.....r571.92 G85

572 Ethnology

BALDWIN, John Denison.

Pre-historic nations. 1874.....r572 B19

Contents: Suggestions relative to the current chronologies, the relation of Hellas to civilization, and the meaning of pre-historic times.—Pre-historic greatness of Arabia.—The Phœnicians.—Cushite or Arabian origin of Chaldea.—India, Sanskrit and ante-Sanskrit.—Egypt previous to Menes.—Africa and the Arabian Cushites.—Western Europe in pre-historic times.

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Races and peoples; lectures on the science of ethnography.

1890.572 B75

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1901. (Contemporary science series.).....572 D42

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Contents: Measurements and their importance in anthropology.—Hair and eye colour.—The value of head-form in anthropology.—The nose.—The ethnography of the Dordogne district.—The evolution of the cart.—The origin of the Irish jaunting-car.—Toys and games: cat's cradle and kites.—Toys and games: tops and the tug-of-war. — The bull-roarer.—The singing games of children.—"London bridge:" foundation sacrifice.—"Draw a pail of water:" water worship.—Courting games.—Funeral games.—Practical suggestions for conducting ethnographical investigations in the British islands.

HERDER, Johann Gottfried von.

Ideen zur geschichte der menschheit. 3v. 1869. (Bibliothek

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HUTCHINSON, Henry Neville, *and others.*

Living races of mankind; an account of the customs,

habits, pursuits, feasts & ceremonies of the races of

mankind throughout the world. 2v. [1901.].....q572 H96

"This work does not profess to deal with ethnological or philological questions. Its plan is geographical, and while its letterpress is adequate, its great distinction is in the remarkable collection of photographs with which it is illustrated." *Spectator*, 1901.

KEANE, Augustus Henry.

Ethnology. 1896.....572 K14

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The dawn of history; an introduction to pre-historic study.

1898572 K15

Sums up results of prehistoric inquiry in chapters on earliest traces of man, growth of language, earliest social life, religion, writing, etc. As a study of the early growth in culture of the primeval nations of the earth, this work is important in laying the foundation to a broad course of historical study. Although profound in treatment, the style is clear and readable.

MORGAN, Lewis Henry.

Ancient society; or, Researches in the lines of human progress

from savagery through barbarism to civilization. 1878. 572 M89

Contents: Growth of intelligence through inventions and discoveries.—
Growth of the idea of government.—Growth of the idea of the family.
—Growth of the idea of property.

"The most important work of one of the most distinguished American ethnologists...The author is in hearty sympathy with the theory that the human race has ascended from very primitive beginnings, rather than descended from a condition of superior morality and intelligence."
C. K. Adams.

PESCHEL, Oscar.

Races of man and their geographical distribution. 1898. 572 P45

Larger part of the book treats of the various mental and physical characteristics of mankind. The remainder gives a detailed review of the races and tribes, and contains a mass of information about tribal divisions, habits, languages, myths and migrations.

"Although unequal in treatment, and in many respects imperfect, it exhibits much labor and research, and treats in more or less detail every branch of the...science of anthropology." *A. R. Wallace, 1876.*

RATZEL, Friedrich.

History of mankind. 3v. 1896-98. q572 R22

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The third and final volume is largely given up to an account of the so-called cultured races of Europe, Asia and Africa.

RECLUS, Élie Armand Ebenhezer.

Primitive folk; studies in comparative ethnology. [1891.]

(Contemporary science series.) 572 R26

Contents: The Hyperboreans, hunters and fishers.—The eastern Inuits.
—The western Inuits.—The Apaches, nomad hunters and brigands.—
The Nairs, warrior nobility and the matriarchate.—The mountaineers
of the Neilgherries, herdsmen, agriculturists and woodlanders.—Todas,
Badagas, Cotas, Irulas and Curumbas.—The Kolarians of Bengal and
human sacrifices amongst the Khonds.

SAYCE, Archibald Henry.

Races of the Old testament. 1891. (By-paths of Bible

knowledge.) 572 S27

Short study in ethnology based largely on Mr Flinders Petrie's casts
and photographs of types.

STARCKE, C.N.

Primitive family in its origin and development. 1894. (Inter-

national scientific series.) 572 S79

List of the works to which reference is made, p.301-310.
Largely criticism and discussion of various theories.

UNITED STATES—Ethnology bureau.

Annual report (1st-date), 1879/80-date. 1881-date. qr572.05 U25

v.14 is bound in two parts.

For a list of the accompanying papers see contents book, p.156; kept at
the reference desk.

"Series of volumes on American ethnology abundantly illustrated. Attention is given almost entirely to the natives of North America, their arts, architecture, customs, myths and rites. The object is to gather all possible information concerning our native tribes while it can be done. The sign language, pictography, burial mounds, religious rites, stone implements, etc., are described in the greatest detail. These papers are the result of original investigation and must always be one of the best sources of information on the subjects treated. Many of them are, however, far too long." *Larned's Literature of American history.*

Bulletin. no.1, 4-6, 9-24, 26. 1887-1901. r572.05 U25b

no.1. Bibliography of the Eskimo language, by J. C. Pilling.

no.4. Work in mound exploration of the Bureau of ethnology, by Cyrus Thomas.

no.5. Bibliography of the Siouan languages, by J. C. Pilling.

- no.6. Bibliography of the Iroquoian languages, by J. C. Pilling.
- no.9. Bibliography of the Muskogean languages, by J. C. Pilling.
- no.10. Circular, square and octagonal earthworks of Ohio, by Cyrus Thomas.
- no.11. Omaha and Ponka letters, by J. O. Dorsey.
- no.12. Catalogue of prehistoric works east of the Rocky mountains, by Cyrus Thomas.
- no.13. Bibliography of the Algonquian languages, by J. C. Pilling.
- no.14. Bibliography of the Athapascan languages, by J. C. Pilling.
- no.15. Bibliography of the Chinookan languages, by J. C. Pilling.
- no.16. Bibliography of the Salishan languages, by J. C. Pilling.
- no.17. The Pamunkey Indians of Virginia, by J. G. Pollard.
- no.18. The Maya year, by Cyrus Thomas.
- no.19. Bibliography of the Wakashan languages, by J. C. Pilling.
- no.20. Chinook texts, by Franz Boas.
- no.21. An ancient quarry in Indian Territory, by W. H. Holmes.
- no.22. Siouan tribes of the East, by James Mooney.
- no.23. Archeologic investigations in James and Potomac valleys, by Gerard Fowkes.
- no.24. List of the publications of the Bureau of ethnology with index to authors and subjects, by F. W. Hodge.
- no.26. Kathlamet texts, by Franz Boas.

572.4 Atlantis

DONNELLY, Ignatius.

Atlantis; the antediluvian world. 1882.....572.4 D72

Attempts to prove that the fabled island of Atlantis really existed, that it was the cradle of the human race and that it perished in a great convulsion of nature, a description of which has come down to us in the story of the deluge. This hypothesis he upholds with much ingenuity.

ELLIOT, W.Scott.

Story of Atlantis; a geographical, historical and ethnographical sketch. 1896.....572.4 E52

Atlantis, a mythical island in the Atlantic ocean, referred to by Plato and other ancient writers, is said to have disappeared with all its inhabitants in a convulsion of nature. This treatise is written by a theosophist who claims to have derived minute information about the island and its people by means of astral clairvoyance.

572.8—572.9 Special races

MUNRO, John.

Story of the British race. 1899. (Library of useful stories.)572.82 M96

Presentation for the general reader of the views of modern anthropologists, and of the results of their careful observations which have cast new light on the real nature of the British people.

MORRIS, Charles.

The Aryan race; its origin and its achievements. 1892..572.891 M91

TAYLOR, Isaac.

Origin of the Aryans. 1892. (Contemporary science series.)572.891 T25

STARR, Frederick.

Strange peoples. 1901. (Ethno-geographic readers, no.1.)...j572.9 S79

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RIPLEY, William Zebina.

Races of Europe, a sociological study; Lowell institute lectures; accompanied by A supplementary bibliography of the anthropology and ethnology of Europe, published by the Public library of Boston. 2v. 1899.....572.94 R48
A description of the present living population of Europe from the stand-

point of the physical anthropologist, showing the influence exerted upon man by his geographical environment. Aims to give scientific data respecting the origin and migrations of European peoples.

SERGI, Giuseppe.

Mediterranean race; a study of the origin of European peoples. 1901. (Contemporary science series.).....572.94 S48

AMMON, Otto.

Zur anthropologie der Badener; bericht über die von der anthropologischen kommission des Karlsruher altertumsvereins an wehrpflichtigen und mittelschülern vorgenommenen untersuchungen. 1899.....qr572.943 A52

ABERCROMBY, John.

Pre- and proto-historic Finns, both eastern and western. 2v. 1898.....572.947 A14
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STARR, Frederick.

Indians of southern Mexico; an ethnographic album; [plates]. 1899.....qr572.972 S79i
Selected from a collection of photographs taken by the author during three expeditions to Mexico in 1896, 1898 and 1899. Text is simply explanatory. Of value to students of ethnography.

MURDOCH, John, b. 1852.

Ethnological results of the Point Barrow expedition. 1892. (In United States—Ethnology bureau. Annual report, v.9, p.3-441.).....qr572.05 U25 v.9
List of works consulted, p.20-25.

MEYER, Adolf Bernhard.

Distribution of the Negritos in the Philippine islands and elsewhere. 1899.....r572.991 M65
"A translation of two chapters (pages 67-87) from my work on the Negritos of the Philippines (v.9 of the publications of the Royal ethnographical museum of Dresden)." *Preface.*

ROTH, Henry Ling, and others.

Aborigines of Tasmania. 1899.....q572.994 R75
Bibliography, p.91-98.

SPENCER, Baldwin, & Gillen, F.J.

Native tribes of central Australia. 1899.....572.994 S74
The same. 1899.....r572.994 S74

573 Natural history of man

CHAMBERS, Robert.

Vestiges of the natural history of creation; with a sequel. [1845?].r573 C35

HAMY, Ernst Théodore.

Précis de paléontologie humaine. 1870.....r573 H23

QUATREFAGES de BRÉAU, Jean Louis Armand de.

L'espèce humaine. 1879.....r573 Q21
Natural history of man; a course of elementary lectures.

1875573 Q21n

QUETELET, Adolphe.

Physique sociale; ou. Essai sur le développement des facultés de l'homme. 2v. 1869.....r573 Q28
Title of first edition reads "Sur l'homme et le développement de ses facultés; ou, Essai de physique sociale."

HUXLEY, Thomas Henry.

Man's place in nature, and other anthropological essays.

1894.573.1 H98

Other essays: The methods and results of ethnology.—Some fixed points in British ethnology.—The Aryan question.

DUNCAN, W.S.

Fossil antecedents of man, and Where to discover them.

1883r573.2 D89

"Where to discover the fossil antecedents of man" is reprinted from the Anthropological journal for May 1883.

LAING, Samuel.

Human Origins. 1900.....573.2 L16

Inquiry, written for the unscientific reader, as to what history and geology, examined in the light of modern research, really teach concerning the origin and evolution of the human race.

LYELL, Sir Charles.

Geological evidences of the antiquity of man; with an outline of glacial and post-tertiary geology and remarks on the origin of species, with special reference to man's first appearance on the earth. 1873.....r573.3 L98

MACLEAN, John Patterson.

Manual of the antiquity of man. 1887.....573.3 M19

MERCER, Henry Chapman.

Hill-caves of Yucatan; a search for evidence of man's antiquity. 1896.....573.3 M63

Researches upon the antiquity of man in the Delaware valley and the eastern United States. 1897. (Pennsylvania university. Publications; series in philology, literature and archæology, v.6.).....573.3 M63r

The same. 1897. (In Pennsylvania university. Publications; series in philology, literature and archæology, v.6.).....r913 P39 v.6

WINCHELL, Alexander.

Preadamites; or, A demonstration of the existence of men before Adam. 1890.....573.3 W77

KEANE, Augustus Henry.

Man past and present. 1899.....573.4 K14

Considers the races of mankind as having a common origin, but as specialized through their geographic environment. Similarities of religion, language, folk-lore and physical characteristics show their interrelation.

SHALER, Nathaniel Southgate.

Nature and man in America. 1891.....573.4 S52

Eight readable and descriptive chapters on the influence of environment on organic life; the first four show how the "whips of necessity" have driven organisms up and on toward higher planes; the second half treats of the geographic influence on man in America. Gives latest views on the effects of geologic changes, physical conditions, and geographic features, on the successive characteristics of Indians and of colonial settlements, and on the distribution and development of American nationality. In pleasing colloquial style. No illustrations. Adapted to the general reader. May be read as intermediate in scope between the author's "Story of our continent" and "Aspects of the earth."

The same. 1897.....r573.4 S52

QUETELET, Adolphe.

Anthropométrie; ou, Mesure des différentes facultés de l'homme. 1870.r573.6 Q28

UNITED STATES—War department.

Statistics, medical and anthropological, of the Provost-marshal-general's bureau, derived from records of the examination for military service during the late War of the rebellion, of over a million men, compiled by J. H. Baxter. 2v. 1875qr573.6 U25

WIEDERSHEIM, Robert.

The structure of man, an index to his past history. 1895. .573.6 W68

QUATREFAGES de BRÉAU, Jean Louis Armand de.

Pygmies. 1895. (Anthropological series.).....573.8 Q21

575 Evolution

For Evolution, from the religious standpoint, see 213

See also Religion and science, 215

AMERICAN SOCIETY FOR THE EXTENSION OF UNIVERSITY TEACHING.

Syllabus of lectures on the evidences and factors of organic evolution, by E. G. Conklin. 1898. (University extension lectures.)r575 A51
"References," p.20.

BEECHER, Charles Emerson.

Studies in evolution; mainly reprints of occasional papers selected from the publications of the laboratory of invertebrate paleontology, Peabody museum, Yale university. 1901. (Yale bicentennial publications.).....575 B37
Contents: General evolution.—Structure and development of trilobites.—Studies in the development of the brachiopoda.—Miscellaneous studies in development.—Plates and explanations.

BONAVIA, Emmanuel.

Studies in the evolution of animals. 1895.....575 B61
Confined mostly to the origin of the markings and coloration of the jaguar, leopard, cat and other animals. Many excellent illustrations.

BROOKLYN ETHICAL ASSOCIATION.

Evolution; lectures and discussions. 1893.....575 B77
Contents: Herbert Spencer, by D. G. Thompson.—Charles Robert Darwin, by J. W. Chadwick.—Solar and planetary evolution, by G. P. Serwiss.—Evolution of the earth, by L. G. Janes.—Evolution of vegetal life, by William Potts.—Evolution of animal life, by R. W. Raymond.—Descent of man, by E. D. Cope.—Evolution of mind, by R. G. Eccles.—Evolution of society, by J. A. Skilton.—Evolution of theology, by Z. S. Sampson.—Evolution of morals, by L. G. Janes.—Proofs of evolution, by N. C. Parshall.—Evolution as related to religious thought, by J. W. Chadwick.—Philosophy of evolution, by S. H. Nichols.—Effects of evolution on the coming civilization, by M. J. Savage.

CHAMBERLAIN, Alexander Francis.

The child; a study in the evolution of man. 1900. (Contemporary science series.)575 C35
Bibliography, p.465-495.
A study of the child with reference to his place and part in the development of the human race. The author is (1904) assistant in ethnology at Clark university.

CLODD, Edward.

A primer of evolution. 1895.....575 C61p

Contents: The contents of the universe.—The distribution of matter.—The solar system.—The earth; its past life-history.—Present life-forms.—The becoming and growth of the universe.—The origin of life.—The origin of life-forms.—The origin of species.—Proofs of derivation of species.—Social evolution.

An abridgment of Clodd's "Story of creation."

"Written in a remarkably clear, simple and attractive style, easily understood by the unscientific reader, and an excellent introduction to the more elaborate works on the subject." *Olive Thorne Miller.*

The story of creation; a plain account of evolution. 1896.....575 C61

"Aims to present 'in a brief and handy compass'...the history of evolution. Its standpoint is the extreme...scientific one...There is but brief reference to moral and social development...The presentation is clear and concise, meets its purpose, and is valuable from its own position." *Dial*, 1888.

The same. 1898.....r575 C61

COE, Charles Clement.

Nature versus natural selection; an essay on organic evolution. 1895.....r575 C65

CONN, Herbert William.

Evolution of to-day; a summary of the theory of evolution as held by scientists at the present time, and an account of the progress made by the discussions and investigations of a quarter of a century. 1899.....575 C75e

Contents: What is evolution?—Are species mutable?—Classification of the organic world.—Life during the geological ages.—Embryology.—Geographical distribution.—Darwin's explanation of evolution.—More recent attempts to explain evolution.—The evolution of man.

Method of evolution; a review of the present attitude of science toward the question of the laws and forces which have brought about the origin of species. 1900.....575 C75

Prof. Conn, who in a previous work summarized for the popular reader the evidence for and against the general theory of organic evolution, has now brought the subject up to date by reviewing the present attitude of science toward the various evolutionary theories. The work gives an especially full account of the theories of heredity inaugurated by Weismann, and of the very great changes that they have produced in the view which biologists take to-day in regard to all phenomena connected with evolution and development.

COPE, Edward Drinker.

The origin of the fittest; essays on evolution. 1887.....575 C79

Some of these essays are for the general reader, some only for the specialist. They originated in lectures, or were published in magazines, from 1869 to 1887 and were suggested to the author by his special zoological and palaeontological studies.

"The man who, since Louis Agassiz, has been the greatest influence in American biology." *Nature*, 1897.

The primary factors of organic evolution. 1896.....575 C79p

A plea for the Lamarckian view.

DELAGE, Marie Yves.

La structure du protoplasma et les théories sur l'hérédité et les grands problèmes de la biologie générale. 1895....qr575 D38
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DRUMMOND, Henry.

Lowell lectures on the ascent of man. 1895.....575 D84

An able and interesting work surveying the whole process of human evolution. The author lays stress on the struggle for the life of others which, beginning in motherhood, has enormously qualified the struggle for self emphasized by Darwin.

DURHAM, William.

- Evolution, antiquity of man, bacteria, etc. 1890. (Science in plain language.).....575 D94
Collection of short articles giving, in every-day language, the general results of scientific investigation.

EIMER, Gustav Heinrich Theodor.

- Organic evolution as the result of the inheritance of acquired characters, according to the laws of organic growth.
1890575 E39
The theory of the author, derived largely from his own researches, is that the primary elements in the production of variety in species are the physical and chemical changes in the organisms due to environment.
"An abundant storehouse of facts, old and new, about the influence of the physical environment." *Nature*, 1888.

GUIBERT, J.

- In the beginning (Les origines); tr. fr. the French by G. S. Whitmarsh. 1900575 G96
Contains numerous bibliographies.
A popular exposition of human origins written by the present (1900) superior of the Institut catholique, Paris, for his students when he was professor of natural science at Issy. The result of his endeavors to train young ecclesiastics who would later have to propagate and defend their faith.

HAECKEL, Ernst.

- Anthropogenie; oder, Entwicklungsgeschichte des menschen. 2v. 1891.....575 H13a
v.1. Keimesgeschichte oder ontogenie.
v.2. Stammesgeschichte oder phylogenie.
Bibliography at the beginning of each chapter.
Evolution of man. 2v. 1892.....575 H13
Forms the second, more detailed part of the author's "Natural history of creation."
"Attempt to render the facts of human germ-history accessible to a wider circle of educated people, and to explain these facts by human tribal history." *Author's preface*.
History of creation; or, The development of the earth and its inhabitants by the action of natural causes; exposition of the doctrine of evolution in general and of that of Darwin, Goethe and Lamarck in particular. 2v. 1896.....575 H13b
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The same. 2v. 1892.....r575 H13b
The last link; our present knowledge of the descent of man; with notes and biographical sketches by Hans Gadow.
1898 575 H13l
Sketch of Haeckel, p.100-114.
The address, in a revised form, "On our present knowledge of the descent of man," which was delivered before the International congress of zoology at Cambridge, England, Aug. 26, 1898.
Natürliche schöpfungsgeschichte; gemeinverständliche wissenschaftliche vorträge über entwicklungslehre im allgemeinen und diejenige von Darwin, Goethe und Lamarck im besonderen. 1872.....r575 H13
Bibliography, p.659-662.

HEADLEY, F.W.

- Problems of evolution. 1900575 H38
Contains a chapter on the "Great unprogressive people" (the Chinese).
Popular exposition and solution of some of the most difficult problems that puzzle Darwinians. Mr Headley first makes a careful résumé of Darwin's theory of natural selection and the survival of the fittest, and

outlines the arguments of evolution; he states and contrasts the theories of Lamarck and Weismann, his aim being to prove the pre-Darwinian argument fallacious; the second part of the book is devoted to the problems of human evolution.

HUTTON, Frederick Wollaston.

Darwinism and Lamarckism, old and new. 1899.....575 H97

"Popular expositions of the Darwinian doctrine...altogether a very readable and fair-minded book." *Academy*, 1899.

HUXLEY, Thomas Henry.

Darwiniana. 1894.....575 H98

Contents: The Darwinian hypothesis.—"The origin of species."—Criticisms on "The origin of species."—Genealogy of animals.—Mr Darwin's critics.—Evolution in biology.—The coming of age of "The origin of species."—Charles Darwin.—The Darwin memorial.—Obituary.—Lectures to working men "On our knowledge of the causes of the phenomena of organic nature."

JÄGER, Gustav.

Problems of nature; researches and discoveries of Jaeger selected from his published writings. 1897.....575 J14

From the first publication of the Darwinian theory Jäger was one of its most active supporters and by his own researches has contributed much to the general progress of organic science. These selections range in date from 1864 to 1885.

JORDAN, David Starr.

Foot-notes to evolution; a series of popular addresses on the

evolution of life. 1898.....575 J42

MORRIS, Charles.

Man and his ancestor; a study in evolution. 1900.....575 M91

Intended to give the believer in evolution a reason for his belief, and to put into compact and available form material formerly only to be found scattered through scientific works.

NÄGELI, Karl Wilhelm von.

Mechanico-physiological theory of organic evolution; summary; tr. by V. A. Clark and F. A. Waugh. 1898.....575 N12

OSBORN, Henry Fairfield.

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v.1.).....575 O29

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ROMANES, George John.

Darwin and after Darwin. 3v. 1896-97.....575 R65

v.1. Darwinian theory.

v.2. Post-Darwinian questions; heredity and utility.

v.3. Post-Darwinian questions; isolation and physiological selection.

A good exposition of Darwinism and evolution carefully prepared for popular use.

The same. 3v. 1892-97.....575 R65

Scientific evidences of organic evolution. 1882.....575 R65a

A short digest of Darwin's "Origin of species," published with Mr Darwin's approval and at his request.

RRED, Arze Z.

Evolution versus involution. 1885.....575 R81

The sub-title, "A popular exposition of the doctrine of true evolution, a refutation of the theories of Herbert Spencer, and a vindication of theism," best expresses the purpose of the author.

SHUTE, D.Kerfoot.

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Elementary introduction to the evolution theory, interesting to the general reader. Special attention has been paid to the discussion of biological phenomena of general interest, such as heredity.

SPENCER, Herbert.

The factors of organic evolution. 1895.....575 S74f

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Illustrations of universal progress. 1872.....575 S74

Contents: Progress, its law and cause.—Manners and fashion.—The genesis of science.—The physiology of laughter.—The origin and function of music.—The nebular hypothesis.—Bain on the emotions and the will.—Illogical geology.—The development hypothesis.—The social organism.—Use and beauty.—The sources of architectural types.—The use of anthropomorphism.

These essays are all included in his "Essays; scientific, political and speculative."

TOPINARD, Paul.

Science and faith; or, Man as an animal and man as a member

of society, with a discussion of animal societies. 1899.....575 T6a

"In a series of chapters the author sketches man's development, as a member not only of the animal kingdom, but also of society, seeking to trace in the lower forms of life the rudiments both of structures and of ideas. Finally, he arrives at the conclusion that Science and Faith mutually exclude each other...The book is worth reading, whether we are or are not satisfied with its conclusions." *Nature*, 1900.

TYLER, John Mason.

The whence and the whither of man. 1897.....575 T97

"Clearly arranged and vigorously presented chain of evidence concerning man's physical and mental development, followed by firm statement of belief in Bible teachings." *Popular science monthly*.

VARIGNY, Henry C. de.

Experimental evolution. 1892.....575 V21

Lectures delivered in 1891 before the Edinburgh summer school of arts and sciences. Author refers largely to French authorities, and while not neglecting the past, tries particularly to show what can still be done, by research and experiment, to develop the evolution theory.

WILSON, Andrew.

Chapters on evolution. 1886.....575 W76

"A very full and popular treatise on...organic development...The various questions that have arisen in connection with the development of the organic kingdom are considered with fullness, and by a naturalist competent to deal with them." *Popular science monthly*, 1883.

575.1 Heredity

GALTON, Francis.

Natural inheritance. 1894.....575.1 G15

An inquiry into the laws governing the inheritance of such characteristics as stature, eye-color, temper, the artistic faculty and some forms of disease. Its methods will appeal particularly to the mathematician and the scientific student of heredity.

HAYCRAFT, John Berry.

Darwinism and race progress. 1895. (Social science

series.).....575.1 H36

Short untechnical study on the importance of high standards of health and morals if the human race is to progress, or even to be kept from degenerating.

HERTWIG, Oscar.

Biological problem of to-day; preformation or epigenesis?

1896.....575.1 H48

Statement of his reasons for believing in epigenesis. Most of his statements are based on data accumulated from his investigations of cell

structure and growth, and experiments on the lower forms of organized matter.

ROMANES, George John.

Examination of Weismannism. 1893.....575.1 R65

Treats of Weismann's theories, leaving the assumption of non-transmissibility of acquired characters, upon which they are based, for consideration in a future volume. See Romanes' "Darwin and after Darwin," v.2.

The same. 1893.....r575.1 R65

WEISMANN, August.

Essays upon heredity and kindred biological problems. 2v.

1891-92.....575.1 W46e

Sets forth Weismann's theories based upon the idea that there can be no inheritance of character acquired by the individual. See Romanes' "Examination of Weismannism."

Germ-plasm; a theory of heredity. 1893. (Contemporary science series.).....575.1 W46

"The title of the book strikes the key-note of Prof. Weismann's theory. Heredity, according to his view, is brought about by the transference from one generation to another of a substance with a very definite and very complex constitution, the germ-plasma." *Nature*, 1893.

On germinal selection as a source of definite variation.

1896.....575.1 W46o

Address delivered before the International congress of zoology, Leyden, Sept. 16, 1895.

575.2 Variation

BATESON, William.

Materials for the study of variation treated with especial regard to discontinuity in the origin of species. 1894...575.2 B31

DARWIN, Charles.

Variation of animals and plants under domestication. 2v.

1892.....575.2 D26

DAVENPORT, Charles Benedict.

Statistical methods, with special reference to biological varia-

tion. 1899.....r575.2 D29

Selected bibliography of works on the quantitative study of organisms, p.40-42.

575.4 Natural selection

EIMER, Gustav Heinrich Theodor.

On orthogenesis and the importance of natural selection in species-formation. 1898.....575.4 E39

Address delivered before the International congress of zoology, Leyden, Sept. 19, 1895.

GRAY, Asa.

Darwiniana; essays and reviews pertaining to Darwinism.

1889.....575.4 G81

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MARSHALL, Arthur Milnes.

Lectures on the Darwinian theory. 1900.....575.4 M41

Contents: History of the theory of evolution.—Artificial and natural selection.—The argument from palaeontology.—The argument from embryology.—The colours of animals and of plants.—Objections to the Darwinian theory.—The origin of vertebrated animals.—The life and work of Darwin.

POULTON, Edward Bagnall.

Charles Darwin and the theory of natural selection. 1896.
(Century science series.).....575.4 P86

WALLACE, Alfred Russel.

Darwinism; an exposition of the theory of natural selection. 1891.....575.4 W17

An exposition of the theory of natural selection, bringing the subject down to 1889, in Mr Wallace's well-known lucid and pleasing style. Objections to Darwinism are discussed with the result that Mr Wallace deems it in the main confirmed by thirty years' observation and criticism.

Natural selection, and Tropical nature. 1891.....575.4 W17n

DARWIN, Charles.

Descent of man and selection in relation to sex. 1892.....575.5 D26

"Mr Darwin's object in the present work is to establish, from a general survey of his whole nature, the evidences of 'man, like every other species, being descended from some pre-existing form; secondly, the manner of his development; and, thirdly, the value of the differences between the so-called races of man.' . . . The intellectual pleasure of following so exquisite a chain of philosophical deduction may almost compensate many minds for the shock which his ultimate conclusion will inflict on them." *Saturday review*, 1871.

575.6 Development. 575.7 Degeneration

ARGYLL, George Douglas Campbell, duke of.

Organic evolution cross-examined; or, Some suggestions on the great secret of biology. 1898.....575.6 A69
Appeared first in the Nineteenth century.

The author opposes the views of Darwin, Spencer and Huxley, and holds that all development is a process of spontaneous growth by virtue of an internal agency only, and not affected by external causes.

The same. 1898.....575.6 A69

SUTTON, John Bland.

Evolution and disease. 1890. (Contemporary science series.).....575.6 S96

DEMOOR, Jean, and others.

Evolution by atrophy in biology and sociology. 1899. (International scientific series.).....575.7 D42

TALBOT, Eugene Solomon.

Degeneracy; its causes, signs and results. 1898. (Contemporary science series.).....575.7 T15

575.8 Origin of species

DARWIN, Charles.

Origin of species by means of natural selection. 2v. in 1.
1893575.8 D26
This work is the corner-stone of the theory of evolution as extended to organic life.

MIVART, St. George.

Man and apes; an exposition of structural resemblances and differences bearing upon questions of affinity and origin.

1874575.8 M75

On the genesis of species. 1871.....575.8 M75o

- Criticism of the Darwinian hypothesis, with a chapter on the bearing of this and other evolutionary theories on Christian belief.
 SCHMIDT, Eduard Oskar.
 Doctrine of descent and Darwinism. 1892. (International scientific series.)575.8 S34

575.9 Origin of sex

- GEDDES, Patrick, & Thomson, J.A.
 Evolution of sex. [1889.].....575.9 G26
 Bibliography at the end of each chapter.

576 Origin of life

- MORGAN, Thomas Hunt.
 Regeneration. 1901. (Columbia university biological series, v.7.) 576 M89
 Bibliography, p.293-310.
 Explains the different processes of renewal by which severed parts of animal and vegetable organisms are "regenerated." The term, as used by the author, includes not only the replacement of a lost part, but also the development of a new, whole organism from a piece of an adult, an embryo or an egg. It also includes such changes as the moulting and replacement of birds' feathers, the replacement of teeth, etc.
 BEALE, Lionel Smith.
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Besides 185 cuts in black and white, there are 48 colored plates containing 1002 figures representing 527 species, in many cases both the upper and under side of the wings. Thus fully $\frac{3}{4}$ of the known species in North American, north of Mexico, are here represented in their

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v.2. Lycaenidae.—Papilionidae.—Hesperiidae.

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Describes in detail all the butterflies known to exist in North America east of the Mississippi excepting such as are found only in the unsettled parts of Canada or the South. Special attention is paid to the distribution, habits and life histories of the butterflies. It contains nearly a hundred plates, (many of them colored) representing butterflies, eggs, caterpillars, nests, chrysalids, parasites, etc.

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Familiar account of sixty or more of the most common butterflies taken in the order of the season. The book is not written for the scientific student, but for popular reading.

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- PITTSBURGH—Filtration bureau.
 Contract and specifications for filters, basins and appurtenances situate in O'Hara township, Penna.; contract no.1. 1902.....r628.16 P674
- PITTSBURGH—Filtration commission.
 Report of the Filtration commission, Jan. 1899. 1899... 628.16 P67
The same. 1899.....r628.16 P67
 Also issued as an appendix to the "Municipal record" for 1898/99.
- PULLEN, William Wade Fitzherbert.
 Water-softening and filtering apparatus for locomotive purposes at the Taff vale railway company, Penarth Dock station, near Cardiff. 1889.....665.4 B83
 Reprinted from the "Minutes of proceedings of the Institution of civil engineers," v.97.
 Brief paper, with drawing, of a plant using the Porter-Clark process.
 Bound with other pamphlets.
- RAFTER, George W.
 On the use of the microscope in determining the sanitary value of potable water; with special reference to the biology of the water of Hemlock lake, N. Y.....r589.95 C69
 Read before the section of microscopy, Rochester academy of science.
 Bound with other pamphlets.
- RIDEAL, Samuel.
 Water and its purification; a handbook for the use of sanitary officers. 1897.....628.16 R43
- UNITED STATES—District of Columbia committee.
 Purification of the Washington water supply; an inquiry held by direction of the United States Senate committee on the District of Columbia; ed. by Charles Moore. 1901. (56th cong. 2d sess. Senate. Report no.2380.)...r628.16 U25
- UNITED STATES—Engineers corps.
 Feasibility and propriety of filtering the water supply of Washington, D. C.; letter from the secretary of war transmitting copy of a communication from the chief of engineers, U. S. A., submitting report of an investigation of the feasibility and propriety of filtering the water supply of the city of Washington. 1900. (56th cong. 1st sess. Senate. Doc. no.259.).....r628.16 U253

628.2 Sewerage

- ADAMS, Julius Walker.
Sewers and drains for populous districts, with rules and formulæ for the determination of their dimensions under all circumstances. 1897.....628.2 A21
- BAKER, Moses Nelson.
Sewerage and sewage purification. 1896.....628.2 B17
- BAUMEISTER, Reinhard.
Cleaning and sewerage of cities. 1895.....628.2 B32
- BROWN, George Preston.
Drainage channel and waterway; a history of the effort to secure an effective and harmless method for the disposal of the sewage of Chicago, and to create a navigable channel between Lake Michigan and the Mississippi river. 1894.....628.2 B78
Bibliography, p.465-466.
- FOLWELL, Amory Prescott.
Sewerage; the designing, construction and maintenance of sewerage systems. 1903.....628.2 F71
The same. 1898.....r628.2 F71
- GRAY, Samuel M.
Proposed plan for a sewerage system for the city of Providence, R. I. 1884.....r628.2 G81
Made by order of the city council of Providence.
- MOORE, E. C. S.
Sanitary engineering; a practical treatise on the collection, removal and final disposal of sewage and the design and construction of works of drainage and sewerage. 1898r628.2 M87
"List of authorities," p.21-24.
- SAVAGE, Edward Ballard.
Sewerage and sewage disposal of a small town. [1895.]...628.2 S26
- WARING, George Edwin.
Sewerage and land-drainage. 1896.....qr628.2 W22s
- STALEY, Cady, & Pierson, G. S.
Separate system of sewerage. 1899.....628.21 S78
The same. 1891.....r628.21 S78
- OGDEN, Henry Neely.
Sewer design. 1899.....628.24 O17
"Valuable as a clear, up-to-date presentation of the scattered material of the subject." *Municipal engineering*, 1899.

628.3 Disposal of sewage

- BARWISE, Sidney.
Purification of sewage; a brief account of the scientific principles of sewage purification and their practical application. 1899.....628.3 B28
Deals with the subject from a biological and chemical point of view.
- CORFIELD, William Henry.
Treatment and utilisation of sewage. 1887.....628.3 C81

- DIBDIN, William Joseph.
Purification of sewage and water. 1897.....628.3 D54
- HAEFCKE, Hermann.
Städtische und fabrik-abwässer; ihre natur, schädlichkeit
und reinigung. 1901. (Hartleben's chemisch-technische
bibliothek.)r628.3 H13
"Literatur-verzeichniss," p.13-16.
Summarizes present (1901) practice in concise form.
- KIERSTED, Wynkoop.
Discussion of the prevailing theories and practices relating
to sewage disposal. 1891.....628.3 K25
- RAFTER, George W. & Baker, M. N.
Sewage disposal in the United States. 1900.....qr628.3 R14
Contents: Preliminary discussion.—The infectious diseases of animals.
—On the pollution of streams.—The self-purification of running
streams and the rational view in relation to the disposal of sewage
by discharge into tide-water.—The composition of sewage muds.—Legal
aspects of the case.—Quantity of sewage and variation in rate of flow.
—General data of sewage disposal.—Discharge into tidal or other
large bodies of water.—On nitrification and the nitrifying organism.—
Chemical precipitation.—Broad irrigation.—On silos and their use in
sewage farming.—Intermittent filtration.—Sub-surface irrigation.—The
disposal of manufacturing wastes.—On the temperature of the air and
of natural soils, and its relation to sewage purification by broad irri-
gation and intermittent filtration.—On beggiatoa alba and its relation
to sewage effluents.—The effect of the pollution of streams by manu-
facturing wastes upon the life of fish.—Descriptions of works.
- RIDEAL, Samuel.
Sewal and the bacterial purification of sewage. 1900...q628.3 R43
Excellent résumé of modern methods.
- ROBINSON, Henry.
Sewerage and sewage disposal. 1896.....628.3 R55
The same. 1896.....r628.3 R55
- WARING, George Edwin.
Modern methods of sewage disposal. 1896.....628.3 W22
The same. 1896.....r628.3 W22
Sanitary condition of city and country dwelling houses.
1898. (Van Nostrand's science series.).....628.3 W22s
- DENTON, Eardley Fraser Bailey-.
Sewage purification brought up to date, 1896. 1896.....628.36 D43

628.4 Municipal sanitation. Street cleaning

- MAXWELL, William H.
Removal and disposal of town refuse. 1898.....628.4 M52
- WARING, George Edwin.
Observations on street-cleaning methods. 1898.....628.4 W220
Contents: Observations on street-cleaning methods in European cities.—
Review of the general work of the Department of street cleaning of
New York.—Report of the snow inspector.—The adjustment of labor
questions by the "Committee of 41" and the "Board of conference."
Supplement to "Municipal affairs," v.2, no.2.
Street-cleaning and the disposal of a city's waste; methods
and results and the effect upon public health, public
morals and municipal prosperity. 1898.....628.4 W22
Chiefly a description of Col. Waring's work as head of the Department
of street cleaning of New York. Contains also notes on street cleaning
in the larger European cities.

GOODRICH, W. Francis.

- Economic disposal of towns' refuse. 1901. (Engineering times library.).....628.44 G62
 "Works consulted," p.321-322.
 Chiefly a treatise on the design, construction and operation of refuse destructors. Summarizes the practice in all parts of the world.

628.53 Smoke abatement

COAL SMOKE ABATEMENT SOCIETY.

- Annual report, balance sheet and list of subscribers.
 1899r628.53 C62

COMMITTEE FOR TESTING SMOKE PREVENTING APPLIANCES.

- Report, 1895.....qr628.53 C73
 Gives the results of carefully organized tests of various methods of hand and mechanical stoking, showing the value for both steam generation and smoke prevention.

LEIGH, John.

- Coal-smoke; report to the health and nuisance committees of the corporation of Manchester, Eng. 1883.....r628.53 L56

MANCHESTER AND SALFORD NOXIOUS VAPOURS ABATEMENT ASSOCIATION.

- Air pollution lectures; 1st-4th ser. no.1-5, 7, 9-10, 12, 15, 20, in 1. 1887-93.....r628.53 M32
Contents: no.1. Noxious vapours which pollute the air, by J. C. Bell.—no.2. Pure air and how to obtain it, by A. Ransome.—no.3. A piece of coal and what becomes of it, by G. E. Davis.—no.4. Why the air of Manchester is so impure, by Charles Estcourt.—no.5. Physical effects of air pollution, by C. G. K. Gillespie.—no.7. The pollution of air as affecting the architect and his work, by John Holden.—no.9. Air pollution as affecting plant life, by Robert Holland.—no.10. Some common sources of air pollution, by William Thomson.—no.12. Flame and smoke, by Thomas Fletcher.—no.15. The nuisance of smoke from domestic fires and methods of abating it, by T. C. Horsfall.—no.20. Some considerations of the effects of air pollution on health, by A. E. Pownall.

No more published.

POPPLEWELL, William Charles.

- Prevention of smoke combined with the economical combustion of fuel. 1901.....628.53 P81
Contents: Fuels and combustion.—Combustion in ordinary hand-fired boilers.—Stoking by mechanical means.—Powdered fuel firing.—Gaseous fuel.—The testing of boilers, and smoke observations.—Some standard smoke tests.—The legal aspect of the smoke question.—The means to be adopted for lessening the smoke in our atmosphere.

SEINE, DÉPARTEMENT DE LA—Préfecture.

- Concours pour la suppression des fumées produites par les foyers de chaudières à vapeur; rapport de la Commission technique.....qr628.53 S46
 Account of an exceedingly thorough set of tests of various smoke-consuming devices made in 1894-97. Typical specimens of the various classes were given long working trials. Probably the most complete investigation yet made (1901).

628.6 House sanitation. House drainage

BROWN, Glenn.

- Healthy foundations for houses. 1885.....628.6 B78h
 Reprinted from the "Sanitary engineer."

- Water-closets; a historical, mechanical and sanitary treatise. 1884.....628.6 B78
Chiefly a republication of a series of articles in the "American architect and building news," 1883.
- COLEMAN, Thomas Everit.
Sanitary house drainage; a handbook for architects, engineers and builders. 1896.....628.6 C68
Series of articles which appeared in "Building news."
"Gives the sanitary principles underlying the correct design of domestic drainage systems."
- CORFIELD, William Henry.
Dwelling houses; their sanitary construction and arrangements. 1880.....628.6 C81
Reprinted from "Van Nostrand's magazine."
- DOMESTIC house planner and sanitary architect; papers on the principles of house planning and arrangement and of sanitary construction, by practical writers. 1891....628.6 D71
- GERHARD, William Paul.
House-drainage and sanitary plumbing. 1890.....628.6 G31
Concise statement of the rules to be followed and the means and devices which should be used. Intended for both professional plumbers and laymen.
- MAGUIRE, William R.
Domestic sanitary drainage and plumbing. 1896.....628.6 M25
Handbook for plumbers, dealing with all forms of work for dwellings.
Author is (1896) teacher of plumbing in the City and guilds of London institute.
- POORE, George Vivian.
The dwelling house. 1897.....628.6 P81
Author is a physician and considers his subjects from the sanitary and hygienic point of view, suggesting improvements in drainage, ventilation and the disposal of refuse.
- TEALE, Thomas Pridgin.
Dangers to health, domestic sanitary defects. 1883.....628.6 T26
The same. 1881.....r628.6 T26d
Diagrams illustrating dangerous defects in domestic plumbing.
- WARING, George Edwin.
How to drain a house; practical information for householders. 1895.....628.6 W22
"In the author's clear and practical style. He wastes no time in the discussion of varieties of method, but dogmatically expresses his opinion as to the best. That is what the ordinary householder wants, and as this opinion is the outcome of intelligence and experience, he is perfectly safe in adding it to his library of practical economics as an untechnical, straightforward, useful book." *Nation*, 1896.
Sanitary drainage of houses and towns. 1876.....628.6 W22s

628.8 Ventilation

- BALDWIN, William James St. John.
Ventilation of the school room. 1901.....628.8 B19
Outlines in popular language present (1901) knowledge of the subject.
- BILLINGS, John Shaw.
Ventilation and heating. 1893.....b628.8 B48
Standard work, dealing chiefly with ventilation. Written from the point of view of the physician, rather than that of the engineer.
- LEEDS, Lewis W.
Treatise on ventilation; comprising seven lectures de-

livered before the Franklin institute, Philadelphia, 1866-68. 1882.....r628.8 L53

629.1 Motor carriages

ALLEN, James T. *comp.*

Digest of United States automobile patents from 1789 to 1899, including all patents officially classed as traction-engines, with lists of patents in the classes of portable-engines, traction-wheels, electric locomotives and electric railway battery systems. 1900.....qr629.1 A42

The same; supplement, July 1899 to Jan. 1902.....qr629.1 A42s

BEAUMONT, William Worby.

Cantor lectures on mechanical road carriages. 1896....q629.1 B35

Motor vehicles and motors; their design, construction and working by steam, oil and electricity. 1900.....q629.1 B35m

Full, reliable treatise, including a general view of the subject, with details of nearly all modern motors.

BRAMWELL, Clarence C.

Construction of a gasoline motor vehicle; ed. by E. W.

Graef. 1901.....629.1 B69

First published in the "Motor vehicle review."

Useful to those desiring acquaintance with the mechanical details and practical operation of gasoline automobiles, as well as to those wishing to construct them. Contains dimensioned drawings.

FARMAN, Dick.

Auto-cars; cars, tramcars and small cars. 1896.....629.1 F24

GRAFFIGNY, Henri de, (*pseud. of* Raoul Marquis).

Manuel du constructeur et du conducteur de cycles et d'automobiles. 1897.....629.1 G76

HISCOX, Gardner Dexter.

Horseless vehicles, automobiles, motor cycles operated by steam, hydro-carbon, electric and pneumatic motors.

1900.....629.1 H61

Contains a chapter "How to build an electric cab," with detailed drawings.

KNIGHT, John Henry.

Notes on motor carriages, with hints for purchasers and users. 1896.....629.1 K34

LAVERGNE, Gérard.

Manuel théorique et pratique de l'automobile sur route, vapeur, pétrole, électricité. 1900.....r629.1 L38

LAYRIZ, Otfried.

Mechanical traction in war for road transport, with notes on automobiles generally; tr. by R. B. Marston. 1900..q629.1 L44

LOCKERT, Louis.

Petroleum motor-cars. 1898.....629.1 L76

Illustrates and describes in full detail the best known types of petroleum automobiles.

SENCIER, Gaston, & Delasalle, A.

Les automobiles électriques. 1901.....q629.1 S474

Was awarded a medal by the Automobile club of France.

SENNETT, Alfred Richard.

"Carriages without horses shall go;" a paper on Horseless

- road locomotion, [with other papers]. 1896.....629.1 S47
The same. 1896.....r629.1 S47
 TAYLER, Alexander James Wallis-.
 Motor cars; or, Power-carriages for common roads.
 1897629.1 T24
 WOODS, C. E.
 Electric automobile; its construction, care and operation.
 1900629.1 W86
 Not intended as an engineering treatise, but for those interested in the
 purchase and use of automobiles. Technical language is avoided.

629.105 Periodicals

- AUTOMOBILE magazine; monthly, Oct. 1899-date. v.1-
 date. 1900-date.....r629.105 A93
 AUTOMOBILE review; a practical journal of automobile
 engineering and transportation; monthly. v.4-date.
 1901-dateqr629.105 A939
 Le CHAUFFEUR; [bimonthly]. v.2-date. 1898-date....r629.105 C34
 4th series of "Le technologiste."
 HORSELESS age; monthly. v.1-date. 1895-date.....qr629.105 H81

630 Agriculture

- ADAMS, Edward F.
 Modern farmer in his business relations; a study of some
 of the principles underlying the art of profitable farm-
 ing and marketing, and of the interests of farmers as
 affected by modern social and economic conditions and
 forces. 1899.....630 A21
 BAILEY, Liberty Hyde.
 Horticulturist's rule-book. 1895. (Garden-craft series.)..r630.8 B16
 Compendium of useful information for fruit-growers, truck-gardeners,
 florists and others. A condensed manual of all rules and receipts and
 figures used by horticulturists; as insecticides, fungicides, means of
 combating all the important insects and fungi, planting-tables, dates
 of planting, yields, estimates for heating greenhouses, greenhouse rules
 of practice, tables of weights and measures, legal and customary stand-
 ards, grafting waxes, methods of packing and storing fruits and veg-
 etables, and thousands of other useful facts.
 BAILEY, Liberty Hyde, *ed.*
 Principles of agriculture; a text-book for schools and rural
 societies. 1898. (Rural science series.).....630 B16
 COBBETT, William.
 Cottage economy, containing information relative to the
 brewing of beer, making of bread, etc., with The poor
 man's friend. 1848.....r630 C63
 COOKE, Samuel.
 Foundations of scientific agriculture. 1897.....630 C78
 CROZIER, William, & Henderson, Peter.
 How the farm pays. 1884.....630 C84
 GREELEY, Horace.
 What I know of farming. 1871.....r630 G82
 "Of all the books that have served as a foot-ball of fun for men who

were utterly ignorant of its subject, none has been more bandied back and forth than Mr. Greeley's bucolic effusions...It contains the unrestrained expressions of a man of much ability, on a subject of which he really knows a great deal, and to which he has always given his best attention." *Nation*, 1871.

HEINZE, Robert.

Anleitung zur chemischen untersuchung und rationellen beurtheilung der landwirthschaftlich wichtigsten stoffe.

1883. (Hartleben's chemisch-technische bibliothek.)...r630 H42

JOHNSTON, James Finlay Weir.

Lectures on the applications of chemistry and geology to agriculture. 1850

r630 J36

KING, Franklin Hiram.

Text book of the physics of agriculture. 1901

630 K26

Contents: Introduction.—Physics of the soil.—Ground water, wells and farm drainage.—Principles of rural architecture.—Farm mechanics.—Principles of weather forecasting.

Professor King is an eminent authority on matters pertaining to the soil. This book is designed for the student of agriculture and the progressive farmer.

KIRBY, Mary, & Elizabeth.

Aunt Martha's corner cupboard; or, Stories about tea, coffee, sugar, rice, etc. 1898.....

j630 K28

NORTON, John Pitkin.

Elements of scientific agriculture. 1855.....

r630 N46

PENNSYLVANIA AGRICULTURAL SOCIETY.

Hints for American husbandmen. 1827.....

r630 P39

ROBERTS, Job.

Pennsylvania farmer; a selection from the most approved treatises on husbandry, interspersed with observations and experiments. 1804.....

r630 R53

STORER, Francis Humphreys.

Agriculture in some of its relations with chemistry. 2v.

1894

630 S88

BEECHER, Henry Ward.

Plain and pleasant talk about fruits, flowers and farming.

1859

r630.4 B37

[COLLECTION of reports and addresses on agriculture.]

[1830-51.]

r630.4 C69

MITCHELL, Donald Grant.

My farm of Edgewood. 1891.....

630.4 M74

The same. 1863.....

r630.4 M74

Delightful in its literary quality, and interesting in its account of the alteration and improvement of a small place in Connecticut.

630.5 Periodicals

AMERICAN agriculturist, 1842-44, 1858-76, 1878-88, 1891-92,

1897-date. v.1-3, 17-35, 37-47, 50-51, 60-date. 1843-

date

qr630.5 A51

v.1-53 monthly; v.54-date weekly.

AMERICAN horticultural annual, 1867.....

r630.5 A512

CULTIVATOR; monthly, Mar. 1834-Feb. 1838. v.1-4, in 1.

1837-38

qr630.5 C91

EXPERIMENT station record; monthly, Sept. 1889-date.

- v.1-date. 1889-date. (United States—Experiment stations office.).....r630.5 E98
 v.1, no.2 wanting.
 v.1 bimonthly.
 "A periodical containing a condensed record of the contents of the bulletins and reports issued by the agricultural experiment stations of the United States, and also a brief review of agricultural science of the world."
 A card subject index to the publications of the various experiment stations, issued by the Office of experiment stations and containing brief abstracts of the articles indexed, will be found at the reference desk.
- GARDENERS' chronicle; weekly. v.1, pt.2-v.21. 1841-61..qr630.5 G17
 Title-page of v.4-21 reads "Gardeners' chronicle and agricultural gazette."
- MONTHLY journal of agriculture; ed. by J. S. Skinner, July 1845-June 1847. v.1-2. 1846-47.....r630.5 M86
 Binder's title and title-page of v.2 read "Journal of agriculture."
- YANKEE farmer and news letter, devoted to agriculture, horticulture and the useful arts; ed. by S. W. Cole; weekly. v.4-6, in 1. 1838-40.....qr630.5 Y14
 v.5-6 title reads "Yankee farmer and New England cultivator."

630.6 Societies. Government publications

- CONNECTICUT—Agriculture, Board of.
 Annual report (34th) of the secretary, 1900. 1901.....r630.6 C75
- KANSAS—Agriculture, State board of.
 Biennial report (3d), for the years 1881-82. 1883.....r630.6 K12
- MAINE STATE COLLEGE—Agricultural experiment station.
 Annual report, 1892. 1893.....r630.6 M26
- MASSACHUSETTS—Agricultural experiment station, Amherst.
 Annual report (11th-12th) of the board of control, 1893-1894. 1894-95.....r630.6 M45
 In 1895 the Hatch experiment station and the Massachusetts agricultural experiment station were consolidated under the title Hatch experiment station of the Massachusetts agricultural college.
- OHIO—Agriculture, State board of.
 Annual report (17th-18th), for the year 1862-63, with an abstract of the proceedings of the county agricultural societies. 1863-64.....r630.6 O18
 Contains also Reports (10th-11th), 1863-64, of the Ohio pomological society.
- AGRICULTURE of Pennsylvania; containing reports of the State board of agriculture, the State agricultural society, the State dairymen's association, the State horticultural association, and the State college, for 1878-1894. 1879-94.....r630.6 P399
 For earlier reports see Pennsylvania—Agriculture, State board of; also Pennsylvania state agricultural society.
 For later reports see Pennsylvania—Agriculture, Department of. Annual report.
- PENNSYLVANIA—Agriculture, Department of.
 Annual report (1st-date), 1895-date. 1896-date.....r630.6 P399a
 For earlier reports see Agriculture of Pennsylvania.
 pt.2 of 1895 and 1897 is the report of the Division of forestry.
 pt.2 of 1898 was never published.
- Bulletin. no.6, 8-10, 16-17, 20-22, 26-35, 37, 39-date. 1896-date.....r630.6 P399b
 no.78, 108, 110 wanting.

- no.27-30 will be found in qr630.6 P399a for 1897; no.70 in qr630.6 P399a for 1900.
For contents see contents book, p.364; kept at the reference desk.
- PENNSYLVANIA—Agriculture, State board of.**
Annual report (1st-18th), for the year 1877-1894. (In Agriculture of Pennsylvania, 1878-1894.).....r630.6 P399
1st report is bound separately.
For earlier reports see Pennsylvania state agricultural society.
For later reports see Pennsylvania—Agriculture, Department of. Annual report.
- PENNSYLVANIA STATE AGRICULTURAL SOCIETY.**
Annual report of the transactions (1st-11th), 1853-1876.
1854-76.r630.6 P39
6th report includes the reports for 1861-63; 7th, for 1864-70; 8th, for 1871-72; 9th, for 1872-73.
The same, 1878-1894. (In Agriculture of Pennsylvania, 1878-1894.).....r630.6 P399
- PHILADELPHIA SOCIETY FOR PROMOTING AGRICULTURE.**
Memoirs, containing communications on various subjects in husbandry and rural affairs. v.2, 4. 1814-18.....r630.6 P49
- UNITED STATES—Agriculture, Department of.**
Annual report of the secretary [commissioner until 1889], for the year ending June 30, 1862-date. 1863-date.....r630.6 U25
—Index for years 1837 to 1893 inclusive. 1896.
For author index to these reports see r016.63 U25.
From 1841-1861 the report was published by the commissioner of patents and forms a part of his annual reports, r608.73 U25a.
The reports for 1895, 1897, 1898, 1899 will be found in the sheep bound set of congressional documents, numbered respectively, 3390, 3651, 3768, 3929.
From 1894-date this report is published in two parts; the first part being the administrative report, and the second part, called the "Yearbook," containing scientific papers for the information of farmers. The "Yearbook" is catalogued separately, r630.6 U25a.
No report was issued in 1846.
- Farmers' bulletin, June 1889-date. no.1-date. [v.1-date.]
1889-dater630.6 U2534
For a list of Farmers' bulletins, no.1-132, see Bulletin no.6 of the Publications division of the Department of agriculture, p.26-33, r016.63 H23.
- Report. no.32, 42, 57-date. 1884-date.....r630.6 U25rep
For contents see contents book, v.2, p.224; kept at the reference desk.
no.32 will be found in r633.21 V22; no.42 in r016.63 U25; no.57 in r632 U253c.
"Since its establishment in 1862 the Department of Agriculture has issued various publications of a miscellaneous character not properly belonging to any of its established series, which have up to the present time [1899] remained practically unclassified. It is now proposed to bring all these miscellaneous publications together in a series, to assign numbers to those which have heretofore been referred to as 'unnumbered reports,' and to continue the series as Reports of the U. S. Department of agriculture." *Report no.59.*
- Report of the statistician; new series. no.59-date. [v.6-date.] 1889-date.....r630.6 U25r
no.65, 74, 80, 101-102, 104, 109, 111-133, 136, 139-154 wanting.
- Yearbook, 1894-date. 1895-date.....r630.6 U25a
—Index, 1894-1900.
Previous to 1894 the information contained in the "Yearbook" will be found in the annual report of the department. From 1894-date the report is published in two parts; the first part being the administrative report, the second part, called the "Yearbook," containing a general account of the operations of the department during the year, scientific papers for the information of farmers, and statistical tables and information useful for reference.

UNITED STATES—Chemistry bureau.

Bulletin. no.13-15, 17-37, 39-date. 1887-date.....r630.6 U2533

For contents see contents book, v.2, p.246-249; kept at the reference desk.

UNITED STATES—Experiment stations office.

Bulletin. no.1-date. [v.1-date.] 1889-date.....qr630.6 U2534b

For partial contents see contents book, p.173; kept at the reference desk.

Contains many articles on the chemistry and nutritive value of foods.

no.119-120, 124, 127 wanting.

UNITED STATES—Hawaii agricultural experiment station.

Bulletin. no.1, 3. 1901-04.....r630.6 U2535

no.1. Chickens and their diseases in Hawaii, by T. F. Sedgwick.

no.3. Insecticides for use in Hawaii, by D. L. Van Dyne.

UNITED STATES—Plant industry bureau.

Bulletin. no.1-date. 1901-date.....qr630.6 U2532

For contents see contents book, p.301; kept at the reference desk.

The Bureau of plant industry, which was organized July 1, 1901, includes

Vegetable pathological and physiological investigations, Botanical investigations and experiments, Grass and forage plant investigations, Pomological investigations, and Gardens and grounds, all of which were formerly separate divisions, and also Seed and plant introduction, the Arlington experimental farm. Tea investigations and experiments, and the Congressional seed distribution. Beginning with the date of organization of the bureau, the independent series of bulletins of each division was discontinued, and all are now published as one series of the bureau.

UNITED STATES—Statistics division. (Department of agriculture.)

Bulletin. no.1-date. 1890-date.....r630.6 U25re

For contents see contents book, v.2, p.260; kept at the reference desk.

no.1-8 title reads "Report."

no.4, 18 wanting.

MICHIGAN STATE AGRICULTURAL COLLEGE—Experiment station.

Bulletin. no.151-188. 1898-1901.....r630.7 M66

no.163, 176, 178, 181-185 wanting.

630.9 History of agriculture

PELL, Albert.

Making of the land in England. 1899.....630.942 P27

How it was made fit for cultivation, and the cost of improvement.

WALLACE, Robert, b. 1853.

Farming industries of Cape Colony. 1896.....r630.968 W17

UNITED STATES—Agriculture, Department of.

Album of agricultural statistics of the United States.

1889qr630.973 U25

Consists of 16 maps of the United States, each presenting a separate topic, as: Percentage of unoccupied and of farm land, Acreage in corn, Acreage in wheat, etc.

CONNECTICUT—Agriculture, Board of.

Handbook of Connecticut agriculture; prepared by T. S.

Gold. 1901.....r630.974 C75

BURKETT, Charles William.

History of Ohio agriculture; a treatise on the development of the various lines and phases of farm life in Ohio.

1900630.977 B91

WALLACE, Robert, b. 1853.

Rural economy and agriculture of Australia and New

- Zealand. 1891.....630.994 W17
 Mr Wallace gives an account of his travels through the colonies, but by far the greater part of the book is devoted to the state of agriculture, cattle and sheep raising.

631 Soil

- BOSWELL, George.
 Treatise on watering meadows. 1779.....r635.2 A14
 Bound with Abercrombie's "Garden mushroom."
 KING, Franklin Hiram.
 The soil; its nature, relations and fundamental principles of management. 1895. (Rural science series.).....631 K26
 ROBERTS, Isaac Phillips.
 Fertility of the land. 1897. (Rural science series.).....631 R53
 Sketches the factors on which the fertility of the soil depends, and the relationship of farm-practice to its maintenance and increase.
 By the director of the College of agriculture of Cornell university (1897).
 UNITED STATES—Soils bureau.
 Bulletin. no.1-date. [v.1-date.] 1895-date.....r631 U25
 SNYDER, Harry.
 Chemistry of soils and fertilizers. 1899.....631.2 S67
 Condensed account of the methods of conserving the fertility of the soil, and of the economic use of manures.

631.5 Fertilizers

- CHYNOWETH, James Bennett, & Bruckner, W. H.
 American manures, and farmers' and planters' guide. 1871..631.5 C47
 [COLLECTION of pamphlets on fertilizers.] [1891-1901.]..r631.5 C69
 PASSON, Max.
 Das Thomasmehl; seine chemie und geschichte. 1901....r631.5 P28
 VOORHEES, Edward Burnett.
 Fertilizers. 1898. (Rural science series.).....631.5 V37

631.7 Drainage

- WARING, George Edwin.
 Draining for profit and draining for health. 1896.....631.7 W22
 Stands for utmost thoroughness; valuable chapter on sewerage.

631.8 Irrigation

- BAROIS, J.
 Irrigation in Egypt; tr. by A. M. Miller. 1889. (United States. 50th cong. 2d sess. House. Mis. doc. no. 134.)qr631.8 B25
 Translation from the French, of a report by the secretary to the Ministry of public works in Egypt.
 BROOK, Harry Ellington.
 Irrigation in southern California; issued for the use of the delegates to the International irrigation congress, Oct. 10-15. 1893. 1893.....634.231 F52
 Bound with Fish's "Profits of orange culture in southern California."
 BROWN, John Croumbie.
 Water supply of South Africa and facilities for the storage

- of it. 1877.....r631.8 B79
- HINTON, Richard Josiah.
Irrigation in the United States; its extent and methods, with digest of laws governing water supply. 1887. (United States. 49th cong. 2d sess. Senate. Mis. doc. no.15.)....r2450
- KING, Franklin Hiram.
Irrigation and drainage; principles and practice of their cultural phases. 1899. (Rural science series.).....631.8 K26
- POWELL, John Wesley.
Report on the lands of the arid region of the United States, with a more detailed account of the lands of Utah, with maps. 1879. (United States—Geographical and geological survey of the Rocky mountain region. Reports.)...qr631.8 P87
- UNITED STATES—Geological survey.
Water-supply and irrigation papers. no.1—date. 1896—dater631.8 U2533
For contents see contents book, v.2, p.257; kept at the reference desk.
no.1-45 are indexed in Bulletin 177 of the survey.
- UNITED STATES—Irrigation and reclamation of arid lands, Select committee on.
Report of the special committee on the irrigation and reclamation of arid lands. 6pts. in 2v. 1890. (51st cong. 1st sess. Senate. Report no.928.).....r631.8 U253
pt.1. Report and views of the minority.
pt.2. The Northwest.
pt.3. Great basin region and California.
pt.4. Rocky mountain region and the great plains.
pt.5. Statements of officers of the Geological survey.—Consular reports.
—General report of irrigation in the United States.—Miscellaneous papers.
pt.6. Irrigation in the United States, by R. J. Hinton.
- UNITED STATES—Irrigation inquiry office.
Report on irrigation. 4pts. in 1v. 1892. (52d cong. 1st sess. Senate. Ex. doc. no.41.).....r631.8 U2534
pt.1. Report on irrigation and the cultivation of the soil thereby, by R. J. Hinton.—pt.2. Artesian and underflow investigation; final report of the chief engineer, E. S. Nettleton.—pt.3. Final geological reports of the artesian and underflow investigation between the 97th meridian and the foothills of the Rocky mountains, by Robert Hay.—pt.4. Final report on the mid-plains division of the artesian and underflow investigation between the 97th meridian and the foothills of the Rocky mountains, by J. W. Gregory, and a special report on certain artesian conditions in South Dakota, by F. F. B. Coffin.
- UNITED STATES—Signal office.
Irrigation and water storage in the arid regions. 1891.
(51st cong. 2d sess. House. Ex. doc. no.287.)....qr631.8 U2532
- WILLCOCKS, William.
Egyptian irrigation. 1899.....qr631.8 W73
Author is the late director-general of reservoirs, in Egypt, and has been connected with many of the most important features of the work since 1883.
"A mine of valuable information to which all future engineers will turn."
Engineering. 1900.

631.9 Farm implements

DEERING HARVESTER CO.

Official retrospective exhibition of the development of harvesting machinery, for the Paris exposition of 1900.

- 1900r631.9 D37
 Traces the development of mowing and reaping machinery, illustrating and describing the various inventions for harvesting.
 Contains a list of official decisions of United States court and Patent office cases, and of publications on the subject.
- RITCHIE, Robert.
 Farm engineer; a treatise on barn machinery, particularly on the application of steam and other motive powers to the thrashing machine. 1849.....qr631.9 R49
- STABLER, Edward.
 Overlooked pages of reaper history. 1897.....r631.9 S77
 Reprint of three pamphlets on the manufacture of reaping machines.
- SWIFT, Rodney Bartlett.
 Who invented the reaper? 1897.....r631.9 S97
 Repeats McCormick's claims.

632 Pests. Blights. Insects

- BRITISH COLUMBIA—Horticulture, Provincial board of.
 Insect pests and plant diseases; containing remedies and suggestions recommended for adoption by farmers, fruit-growers and gardeners of the province. 1897.....qr632 B75
- COLORADO STATE AGRICULTURAL COLLEGE—Experiment station.
 Colorado's worst insect pests and their remedies. 1898.
 (Bulletin, no.47.).....r632 U253c
 Bound with other pamphlets.
- HUBBARD, Henry Guernsey.
 Insects affecting the orange. 1885. (United States—Entomology division. Special report.).....r557.3 U25b v.2
 Bound with "United States—Geological survey. Bulletin."
- KANSAS UNIVERSITY—Entomology, Department of.
 Bulletin, 1892, 1897, 1899. 1892-99.....r632 K12
Contents: The more destructive grasshoppers of Kansas.—Common injurious insects of Kansas, by V. L. Kellogg.—The honey-bee and its food-plants, with special reference to alfalfa, by S. J. Hunter.—Alfalfa, grasshoppers, bees; their relationship, by S. J. Hunter.
- MICHIGAN STATE AGRICULTURAL COLLEGE—Experiment station.
 Spraying calendar. 1899. (Special bulletin, no.12.).....qr632 M66
- NATIONAL CONVENTION FOR THE SUPPRESSION OF INSECT PESTS AND PLANT DISEASES BY LEGISLATION, Washington, D. C. 1897.
 Proceedings of the convention held Mar. 5-6, 1897; ed. by B. T. Galloway. 1897. (United States—Agriculture, Department of.).....r632 U253c
 Bound with other pamphlets.
- NEW YORK (state)—Entomologist.
 Report (4th-date) on injurious and other insects of the state of New York, 1887-date. 1888-date. (In New York (state)—Museum. Annual report, 1887-date.)..qr507 N26
 Reports (14th-date) are issued as numbers of the Bulletin of the New York state museum.
 Reports (1st-17th), 1881-1901, are indexed in Bulletin no.66 of the New York state museum, qr507 N26b.

UNITED STATES—Entomological commission.

Report (1st-5th), 1877-1890. 1878-90.....r632 U25

- v.1. Rocky mountain locust.
- v.2. Rocky mountain locust.—Western cricket.
- v.3. Rocky mountain locust.—The army worm, canker worms and the Hessian fly.—Scientific results.
- v.4. Revised edition of Bulletin no.3 and the final report on the cotton worm.
- v.5. Revised edition of Bulletin no.7 on insects injurious to forest and shade trees.

No more published.

"The Commission was attached to the United States Geological and Geographical Survey of the Territories, Department of the Interior, until March 3, 1881. The third report of the Commission inaugurates its transfer to the Department of Agriculture."

UNITED STATES—Entomology division.

Bulletin, [old series]. 33 nos. 1880-95.....r632 U253

no.5, 8, 10-13, 15, 18, 21, 26, 30 wanting.

For contents see contents book, v.3, p.312; kept at the reference desk.

Bulletin, new series. no.1-date. [v.1-date.] 1896-date..r632 U253n

Bulletin no.36 is an "Index to Bulletins no.1-30 (new series), 1896-1901."

For contents see contents book, v.3, p.316; kept at the reference desk.

Circulars. 2d ser. no.4-6, 8-11, 13, 16, 19-20, 22, 40. 1894-

1900r632 U253c

Contents: The woolly aphid of the apple.—The clover mite.—The larger corn stalk-borer.—The rose-chaffer.—The harlequin cabbage bug, or calico bug.—How to distinguish the different mosquitoes of North America.—Canker-worms.—The imported elm leaf-beetle.—The Mexican cotton-boll weevil.—The carpet beetle, or buffalo moth. The army worm.—Mosquitoes and fleas.—The periodical cicada in 1897.

WEST VIRGINIA UNIVERSITY—Agricultural experiment station.

Bulletin. no.14-16, 21, 31-32, 35, 44, 67-68. 1891-1900.....r632 U253c

Contents: The periodical cicada or seventeen-year locust in West Virginia.—Catalogue of West Virginia scolytidae and their enemies.—Catalogue of West Virginia forest and shade tree insects.—Injurious insects and plant diseases.—Preliminary investigation of insect ravages; yellow locust, by A. D. Hopkins.—Raspberry gouty-gall beetle, by A. D. Hopkins.—Farm and garden insects, and experiments with remedies, and Notes of the season, by A. D. Hopkins.—Defects in wood caused by insects.—The Hessian fly in West Virginia and how to prevent losses from its ravages, by A. D. Hopkins.—Practical entomology, by A. D. Hopkins and W. E. Rumsey.

Bound with other pamphlets.

UNITED STATES—Vegetable physiology and pathology division.

Bulletin. 29 nos. 1891-1901.....r632.1 U25

no.4 wanting.

For contents see contents book, v.2, p.244; kept at the reference desk.

Beginning July 1, 1901, the date of the organization of the Plant industry bureau, the independent series of bulletins of the Vegetable physiology and pathology division, the last number of which was 29, was discontinued; it is now published, with the bulletins of the other divisions included under the bureau, as one series of the bureau.

LODEMAN, E. G.

Spraying of plants. 1896. (Rural science series.).....632.5 L76

COMSTOCK, John Henry.

Report upon cotton insects. 1879. (United States—Entomology division.).....r632.6 C73

SANDERSON, Ezra Dwight.

Insects injurious to staple crops. 1902.....632.6 S21

Practical handbook for farmers. The insect pests are grouped according to the crops they attack, i. e. insects injurious to wheat, insects

injurious to cotton, etc. Enough of the life-history and habits of each is given to make plain the reasons for the different remedies employed.

TREAT, Mrs Mary.

Injurious insects of the farm and garden, with a chapter on beneficial insects. 1889.....632.6 T71

WEED, Clarence Moores.

On the parasites of the lesser apple leaf-roller, *teras minuta*r632 U253c
From the Bulletin of the Illinois state laboratory of natural history, v.3.
Bound with other pamphlets.

633 Grains. Grasses. Fibers

CHURCH, Arthur Herbert.

Food-grains of India. 1886. (South Kensington museum science handbooks.)q633 C46
"Bibliographical notes," p.11.

ROCHELEAU, William Francis.

Great American industries; products of the soil. 1898.....j633 R56
Contents: Cereals.—Cotton.—Lumber.—Sugar.—Wheat.

UNITED STATES—Botany division.

Bulletin. no.3, 6, 8, 12-29. 1887-1901.....qr633 U2533
no.26 wanting.
For contents see contents book, v.2, p.234; kept at the reference desk.
Beginning July 1, 1901, the date of the organization of the Plant industry bureau, the independent series of bulletins of the Botany division, the last number of which was 29, was discontinued; it is now published, with the bulletins of the other divisions included under the bureau, as one series of the bureau.

633.1 Cereals

THALER, Richard.

Die müllerei; ein handbuch des mühlenbetriebes. 1894.
(Hartleben's chemisch-technische bibliothek.)r633.1 T33
Describes the grains used, methods of cleaning and preparing, the grinding, separation of the products, construction and arrangements of mills and various processes of milling. Numerous illustrations and drawings of machinery.

SARGENT, Frederick Leroy.

Corn plants; their uses and ways of life. 1899.....j633.13 S24
Gives in compact form and in readable style a clear account of the six important grain plants of the world—wheat, oats, rye, barley, rice and maize. Explains what corn plants are, indicates their importance to mankind, and narrates the myths and religious customs which have grown up about them. Also describes how the plants are formed, and how their growth and perfection are insured by their various organs. Author shows how well they are adapted for ideal food products for mankind, and gives the history, distribution and uses of each of the six plants.

WILSON, Alexander Stephen.

Bushel of corn. 1883.....r633.13 W76
Corn is here used to mean cereal grains in general, only wheat, barley and oats, however, being considered.
Chapters on the "Weight of a bushel of corn," "Measure-weight above and below average price," "Measure-weight and degrees of ripeness," "Classification of grain," "Percentage of kernel in respect of measure-weight," "Moisture in grain," "Doctoring measure-weight," "Equivalents of different qualities of oats," etc.

TODD, Sereno Edwards.

American wheat culturist. 1868.....633.18 T55

633.21 Grasses

UNITED STATES—Agrostology division.

Bulletin. 25 nos. 1895-1901.....r633.21 I

Beginning July 1, 1901, the date of the organization of the Plant industry bureau, the independent series of bulletins of the Agrostology division, the last number of which was 25, was discontinued; it is now published, with the bulletins of the other divisions included under the bureau, as one series of the bureau.

VASEY, George.

Agricultural grasses of the United States; also the Chemical composition of American grasses, by Clifford Richardson. 1884. (United States—Agriculture, Department of. Report, no.32.).....r633.21 V

Illustrations of North American grasses. 2v. 1891-93. (In United States—Botany division. Bulletin, no.12-13.)...qr633 U25

v.1. Grasses of the Southwest.

v.2. Grasses of the Pacific slope.

633.4 Beet sugar. Maple sugar

[COLLECTION of pamphlets on sugar beets.] [1892-1900]r633.41 C

McMURTRIE, William.

Report on the culture of the sugar beet, and the manufacture of sugar therefrom in France and the United States. 1880. (United States—Agriculture, Department of. Special reports.).....r633.41 M

MYRICK, Herbert.

American sugar industry. 1899.....q633.41 M

History of the growth of the beet sugar industry, more particularly, and a discussion of the tariff question from the producer's standpoint.

RUSH, Benjamin.

Account of the sugar maple-tree of the United States, and of the methods of obtaining sugar from it, in a letter to Thomas Jefferson. 1792.....r633.43 R
Read before the American philosophical society on the 19th of August 1791.

633.53 Coffee

DELLEN LAERNE, C. F. van.

Brazil and Java; report on coffee-culture in America, Asia and Africa. 1885.....633.53 I

HEWITT, Robert.

Coffee; its history, cultivation and uses. 1872.....633.53 I

LOCK, Charles G. Warnford.

Coffee; its culture and commerce in all countries. 1888...633.53 I
Bibliography, p.257-258.

ROMERO, Matias.

Coffee and india-rubber culture in Mexico; preceded by geographical and statistical notes on Mexico. 1898....633.53

633.57 Tobacco

See also Tobacco, 1-4

CARVER, Jonathan

Treatise on the culture of the tobacco plant. 1879. 1633.57 A14
Bound with Abernethie's "Garden instructions."

GAVELLUS, Nino

Storia, istoria e cultura del tabacco: specialmente la sua
sigaretta, la coltivazione in Europa e la maniera di col-
tivarla, conservarla e prepararla. 1898. 1633.57 G24

JENIFER, David

Remarks at the opening of the convention of tobacco
planters of the United States, held in Washington, Dec-
19, 1914. 1914. 1633.57 U25
Bound with other pamphlets.

JENNINGS, James

Franklin treatise on the history, medical properties and
cultivation of tobacco. 1830. 1633.57 J26

KILLEBREW, Joseph Burken

Report of the culture and curing of tobacco in the United
States. 1881. United States—Census office. 1633.57 K25

KILLEBREW, Joseph Burken, & Myrick, Herbert

Tobacco leaf: its culture and care, marketing and manu-
facture: a practical handbook. 1897. 1633.57 K25
"Book on tobacco culture." 243-246.

LOCK, Charles G. Warfield, ed.

Tobacco: growing, curing and manufacturing. 1886. 1633.57 L25
2 illustrations, 2 plates.

TATHAM, William

Historical and practical essay on the culture and commerce
of tobacco. 1806. 1633.57 T25

UNITED STATES—State department

Report of the secretary of state transmitting correspon-
dence relative to the tobacco trade between the United
States and foreign countries. Apr. 12, 1880. 1880. 1633.57 U25
1022-12225. House. Ex. doc. 7225.

633.7 Textiles. Cotton. Hemp

See Textile fabrics, 1-4

UNITED STATES—Fiber investigations office

Report, no. 1. 1-11. 1897-98. 1633.7 U25

These reports are by C. B. Lodge.

no. 1. Report on flax, hemp, ramie and jute, with considerations upon
flax and hemp culture in Europe. This is the same as the first report
of the investigation of ramie and will be found in report 4 U25.no. 2. Flax culture for fiber in the United States, including reports on
flax culture in Ireland, in Belgium and in Austria, with statements
relative to the industry in Russia.

no. 3. Leaf fibers in the United States.

no. 4. Textile uses of ramie in the United States.

no. 5. The cultivation of ramie in the United States.

no. 6. The culture of hemp and jute in the United States.

no. 7. General catalogue of useful fiber plants of the world.

no. 8. Flax culture for seed and fiber in Europe and America.

FRUITS. ORCHARDS. VINEYARDS

no. 11. Culture of hemp in Europe.
Fiber investigations were begun in the Division of statistics in Nov.
1889. The Office of fiber investigations was established in 1890 and
discontinued June 30, 1898. 11 reports only were published.

BROOKS, Christopher Parkinson.

Cotton; its uses, varieties, fibre structure, cultivation and
preparation for the market and as an article of com-
merce, also the manufacture of cotton seed oil. 1898. .633.71 B77

MONIE, Hugh.

Cotton fibre; its structure, etc.; a treatise descriptive of the
different varieties of cotton and the distinctive features
in the structure of their filaments. 1890. .633.71 M82

UNITED STATES—Agriculture and forestry committee.

Report on the condition of cotton growers in the United
States, the present prices of cotton and the remedy,
and on cotton consumption and production. Feb 23,
1895. 2v. in 1. 1895. (53d cong. 3d sess. Senate.
Report no. 896.)r633.71 U25

WILKINSON, Frederick.

Story of the cotton plant. 1899. (Library of useful
stories.)633.71 W72
Concise, readable description of the cotton-plant, its cultivation, handling
at the plantation, and spinning.

BOYCE, Sidney Smith.

Hemp (*cannabis sativa*); a practical treatise on the culture
of hemp for seed and fiber, with a sketch of the history
and nature of the hemp plant. 1900.633.73 B66

634 Fruits. Orchards. Vineyards

BAILEY, Liberty Hyde.

Principles of fruit-growing. 1897. (Rural science series.) .634 B16
"American books on fruit-growing," p.483-494.

Pruning-book; a monograph of the pruning and training
of plants as applied to American conditions. 1898.
(Garden-craft series.)634 B16p

Sketch of the evolution of our native fruits. 1898.634 B16s

Contents: The rise of the American grape.—The strange history of the
mulberries.—The evolution of American plums and cherries.—The
native apples.—The origin of American raspberry-growing.—Evolu-
tion of blackberry and dewberry culture.—Various types of berry-like
fruits.—Various types of tree fruits.—General remarks on the im-
provement of our native fruits.

[COLLECTION of pamphlets on orchards and fruits.] [1889-
1901.]r634 C69

DOWNING, Andrew Jackson.

Fruits and fruit-trees of America. 1893.634 D77
Directions concerning their culture, propagation and management, with a
list of the best varieties, down to 1883.

MICHIGAN STATE POMOLOGICAL SOCIETY.

Annual report (8th) of the secretary, 1878. 1879.r634 M66

ONTARIO, FRUIT GROWERS' ASSOCIATION.

Annual report (22d), 1890. 1891.qr634 O25

PENNSYLVANIA STATE HORTICULTURAL ASSOCIATION.

- Annual report, Jan. 1872-1876, 1878-1894. (In Agriculture of Pennsylvania, 1878-1894.).....r630.6 P399
 Reports for 1872-1876 are in Report of Pennsylvania state agricultural society, v.8-11, r630.6 P39.
 Previous to 1882 the association bore the name Pennsylvania fruit growers' society.
 For later reports see Pennsylvania—Agriculture, Department of. Annual report.

ROE, Edward Payson.

- Home acre. 1898.....634 R59h
Contents: Tree-planting.—Fruit-trees and grass.—The garden.—The vineyard and orchard.—The raspberry.—The currant.—Strawberries.—The kitchen-garden.

THOMAS, John J.

- American fruit culturist. 1897.....r634 T37
The same; enlarged by W. H. S. Wood. 1903.....634 T37
 Practical handbook for fruit-growers, describing in detail the different varieties of fruit raised in this country.

UNITED STATES—Pomology division.

- Bulletin. no.2, 5-10. 1888-1901.....r634 U25h
 For contents see contents book, v.2, p.240; kept at the reference desk.
 Beginning July 1, 1901, the date of the organization of the Plant industry bureau, the independent series of bulletins of the Pomology division, the last number of which was 10, was discontinued; it is now published, with the bulletins of the other divisions included under the bureau, as one series of the bureau.

WICKSON, Edward James.

- California fruits and how to grow them. 1900.....634 W67

FISH, A. C.

- Profits of orange culture in southern California. 1890...634.231 F52

CARD, Fred Wallace.

- Bush-fruits; a horticultural monograph of raspberries, blackberries, dewberries, currants, gooseberries and other shrub-like fruits. 1898. (Rural science series.)...634.3 C19
 "American books on bush-fruits," p.513-515.
 "Purpose is to present both the practical and technical phases of all the important questions concerned in the cultivation and domestication of the fruits under discussion." *Preface.*

FULLER, Andrew S.

- Small fruit culturist. 1900.....634.3 F98

ROE, Edward Payson.

- Success with small fruits. 1881.....634.3 R59
 Pleasant, readable account of the best practices of growing and selling the berry fruits, as strawberries, raspberries, currants, gooseberries, etc.

BAILEY, Liberty Hyde.

- American grape training. 1893.....634.4 B16

SAPORTA, Antoine, comte de.

- Physique et chimie viticoles. 1899.....r634.4 S24
 Theoretical and practical treatise on scientific vine-culture and wine-making.

UNITED STATES—Pomology division.

- Nut culture in the United States, embracing native and introduced species. 1896.....qr634.5 U25

FERGUSON, John, comp.

- All about rubber and gutta-percha; the indiarubber planter's manual, with the latest statistics and information, more

particularly in regard to cultivation and scientific experiments in Trinidad and Ceylon. 1899.....634.6 F38

634.9 Forestry

- BRISBIN, James S.
Trees and tree-planting. 1888.....634.9 B75
Object is to awaken interest in forest preservation. Tells what trees are adapted to certain soils and climates, gives practical directions for forest cultivation.
- BROWN, James.
The forester; or, A practical treatise on the planting, rearing and general management of forest-trees. 1882...qr634.9 B78
- BROWN, John Croumbie.
Management of crown forests at the Cape of Good Hope under the old régime and under the new. 1887.....634.9 B79
- BRUNCKEN, Ernest.
North American forests and forestry; their relations to the national life of the American people. 1900.....634.9 B83
Comprehensive treatment of the subject. Discusses the distribution of forests, forest industries, the crime of forest destruction, forest finance and management, and forest fires, closing with a valuable chapter on forestry as a profession.
- ELIOT, Charles.
Vegetation and scenery in the metropolitan reservations of Boston; a forestry report. 1898.....634.9 E47
Gives an account of the origin of the commoner types of woodland scenery, with some suggestions on the methods of changing and controlling the vegetation so as to preserve and increase the beauty of the landscape. Though describing local conditions, it sets forth general principles which may be applied anywhere. Maps and photographs of present conditions of tree-growths in the reservations.
- GANNETT, Henry, *and others*.
Forest reserves, 1898-1900. 1899-1900. (In United States—Geological survey. Annual report, pt.5 of v.19-21.)...qr557.3 U25a
Each report is in 2 volumes: v.1, Text; v.2, Atlas.
- GIFFORD, John Clayton.
Practical forestry; for beginners in forestry, agricultural students, woodland owners and others. 1902.....634.9 G37
Contents: Meaning of forest and forestry, and other introductory notes.—Wood-lots on farms, forest estates, and the relation of silviculture to the kindred arts of agriculture, horticulture and landscape gardening.—The forest canopy, forest floor and wood-mass.—The forest as an agent in modifying the surface of the earth and in checking the destructive forces of nature.—The geographical distribution of forests.—The formation and tending of forests.—Forest industries and products.—Forest trees and products of the tropics.—The principal federal and state reservations,—A list of fifty American forest trees, twenty-five conifers and twenty-five hardwoods.
- HOUGH, Franklin Benjamin.
Elements of forestry. 1882.....634.9 H83
"Author has endeavored to present, in a concise form, a general outline of the subject...in its most ample relations, without attempting to be exhaustive in anything." *Preface*.
Author was formerly chief of the Forestry division, Department of agriculture.
Report upon forestry. 4v. 1878-84. (United States—Agriculture, Department of. Special reports.).....r634.9 H83
v.4 is by N. H. Egleston

MINNESOTA—Chief fire warden.

Forest preservation; annual report (1st-5th), 1895-99.

1896-1900r634.9 M72

NEW JERSEY—Geological survey. (3d survey.)

Report on forests. 1900.....r634.9 N26

Forms part of the Annual report of the state geologist for 1899.

Contains a description of the forest areas, and condition of the timber, papers on "Forests and water supply" and "Forests and climate," and a report on the condition and prospects of forests and forestry in the coast areas.

NEW YORK (state)—Forest commission.

Annual report, 1894. 1895.....r634.9 N2612

April 25, 1895, this commission was consolidated with the Fish and game commission and became Fisheries, game and forest commission, which name was changed in March 1901 to Forest, fish and game commission.

NISBET, John.

Our forests and woodlands. 1900. (Haddon hall library.)634.9 N36

PENNSYLVANIA—Forestry department.

Propagation of forest trees having commercial value and

adapted to Pennsylvania, by G. H. Wirt. 1902.....r634.9 P399

PENNSYLVANIA. Statutes.

Pennsylvania laws relating to the Department of forestry.

forestry reservations, timber lands, roadside trees, etc..

1901. 1901.....r634.9 P39

Published by the Department of forestry.

PINCHOT, Gifford, & Graves, H. S.

White pine; a study, with tables of volume and yield.

1896634.9 P61

ROUSSET, Antonin.

The forest waters the farm; or, The value of woodlands

as reservoirs. 1886.....634.9 R77

Second title-page reads "Studies of Master Peter about agriculture and forests."

SCHWARZ, G. Frederick.

Forest trees and forest scenery. 1901.....634.9 S41

Popular study of the ordinary types of American forest-trees, pointing out the elements of their beauty. The influence of undergrowth, of climbing plants, the manner of attachment of leaves, etc. are considered in relation to the æsthetic effect produced. Contains chapter on European forests. Fine illustrations.

UNITED STATES—Agriculture, Department of.

Report upon the forestry investigations of the department,

1877-1898, by B. E. Fernow. 1899. (55th cong. 3d sess.

House. Doc. no.181.).....qr634.9 U2532

Appendix: Memorial of a committee of the American association for the advancement of science, in behalf of forest preservation, leading to the establishment of the Division of forestry.—List of publications relating to forestry, issued from the Department of agriculture since 1877. —Forests and forestry in the United States.—Forest policies of European nations.—Forest conditions and methods of forest management in Germany, with a brief account of forest management in British India.—Principles of silviculture.—Principles of forest economy. —Forest influences.—The work in timber physics in the Division of forestry, by Filibert Roth.—Metal ties for railways, and economies in the use of wooden ties, by E. E. R. Tratman.

UNITED STATES—Foreign commerce bureau.

Forestry in Europe; reports from the consuls of the

United States. 1887.....r634.9 U253

UNITED STATES—Forestry bureau.

Bulletin. no.1—date. 1887—date.....qr634.9 U25
 no.11 wanting; no.23 not yet issued (1902).
 For contents see contents book, v.2, p.251; kept at the reference desk.

634.905 Periodicals

AMERICAN journal of forestry; monthly; ed. by F. B. Hough.

v.1. 1882—83.....r634.905 A51
 No more published.

FORESTER; monthly. v.4—date. 1898—date.....r634.905 F76

635 Vegetable gardening

BAILEY, Liberty Hyde.

Forcing-book; a manual of the cultivation of vegetables
 in glass houses. 1897. (Garden-craft series.).....635 B16f

Principles of vegetable-gardening. 1901. (Rural science
 series.)635 B16p
 Bibliography, p.242—270.

FISKE, George Burnap, comp.

Prize gardening; how to derive profit, pleasure and health
 from the garden; actual experience of the successful
 prize winners in the American agriculturist garden con-
 test. 1901.....635 F54

Object of the contest was to bring out reports of the most successful
 gardening efforts of the year. The information, which relates al-
 most exclusively to vegetables and fruit, is of a nature that is seldom
 given to the public by successful growers and is, therefore, of special
 interest and value to the novice.

HENDERSON, Peter.

Gardening for profit. 1894.....635 H44

"Although written for market gardeners, this book is invaluable to any
 one who wishes to grow good vegetables. Preparation of soil and
 manures, cultivation in all phases, lists and descriptions of different
 vegetables are given. This is the book of a practical man, one of
 the best gardeners and horticultural writers we have had. It is
 adapted to the use of everybody who desires a vegetable garden."
L. H. Bailey.

WATSON, Alexander.

American home garden; principles and rules for the cul-
 ture of vegetables, fruits, flowers and shrubbery. 1859..635 W31

ABERCROMBIE, John.

Garden mushroom; its nature and cultivation. 1779.....r635.2 A14

636 Domestic animals

JORDAN, Whitman Howard.

Feeding of animals. 1901. (Rural science series.).....636 J42

After a popular account of the chemical constituents of plants and ani-
 mals, the processes of nutrition and digestion, and the functions of
 food in the body, the author gives a description of different cattle
 foods, and the most recent results of scientific investigation and farm
 practice. There is also a useful chapter on the feeding of poultry.
 The work is intended for the reader who has some scientific knowl-
 edge.

MILLER, Olive Thorne.

Our home pets; how to keep them well and happy. 1894....636 M69

The same. 1894.....636 M69

SHALER, Nathaniel Southgate.

Domesticated animals. 1895.....636 S52

Popular papers on ancestry, characteristics and value of domestic quadrupeds, birds and insects, with chapter on animals' rights and problem of domestication.

UNITED STATES—Animal industry bureau.

Annual report (1st-date), for the year 1884-date. 1885-

dater636 U25

Reports for 1884-98 are indexed in "Index to literature relating to animal industry in the publications of the Department of agriculture," by G. F. Thompson, r016.63 T38.

Bulletin. no.4-date. 1893-date.....r636 U25b

no.5, 9, 29 wanting.

For contents see contents book, v.2, p.229; kept at the reference desk.

Bulletins no.1-23 are indexed in "Index to literature relating to animal industry in the publications of the Department of agriculture," by G. F. Thompson, r016.63 T38.

636.1 Horses

HAYES, Matthew Horace.

Points of the horse; a familiar treatise on equine conforma-

tion. 1897.....q636.1 H37

Stable management and exercise. 1900.....636.1 H37s

JORROCKS, (*pseud.* of James Albert Garland).

Private stable; its establishment, management and appoint-

ments. 1899.....636.1 J43

LUPTON, James Irvine.

The horse; as he was, as he is and as he ought to be.

1881636.1 L98

MARTIN, George A.

Family horse; its stabling, care and feeding. 1889.....636.1 M42

UNITED STATES—Agriculture, Department of.

Special report on the market for American horses in

foreign countries. 1898.....r636.1 U25

"Report on the American trade in horses, descriptions of the kinds of horses needed in European countries, and suggestions to American breeders as to breeding horses for foreign markets. Compiled principally from reports of the United States consular officers."

WALLACE, John H.

The horse of America, in his derivation, history and de-

velopment. 1897.....636.1 W17

Devotes particular attention to the trotting horse.

WALSH, John Henry, (*pseud.* Stonehenge).

The horse, in the stable and the field. 1899.....636.1 W18h

636.3 Sheep

RUSHWORTH, William Arthur.

Sheep; a historical and statistical description of sheep and

their products, with an appendix containing Sheep

breeders' directory. 1899.....r636.3 R89

UNITED STATES—Animal industry bureau.

Special report on the history and present condition of the

sheep industry of the United States, by E. A. Carman,
H. A. Heath and John Minto. 1892.....r636.3 U25

636.5 Poultry

- BEALE, Stephen.
Profitable poultry keeping. 1891.....636.5 B34
- DARROW, J. Wallace.
Low cost poultry houses; plans and specifications for poultry
buildings costing from \$25 to \$100, with a chapter on poul-
try house conveniences. 1899 636.5 D26
- FELCH, Isaac K.
Poultry culture; how to raise, manage, mate and judge
thoroughbred fowls. 1885.....636.5 F33
- MYRICK, Herbert, *ed.*
Turkeys and how to grow them. 1897.....636.5 M99
Gives careful directions for breeding, feeding, rearing and marketing.
- SHERRATON, Denzil.
Everybody's guide to poultry-keeping. [1896.].....636.5 S55
- TEGETMEIER, William Bernhard.
Poultry book, comprising the breeding and management
of profitable and ornamental poultry. 1873.....q636.5 T26
- WATSON, George Catchpole.
Farm poultry; a popular sketch of domestic fowls, for the
farmer and amateur. 1901. (Rural science series.)...636.5 W31
"Some important poultry publications," p.331-334.
- WRIGHT, Lewis, *writer on poultry.*
Illustrated book of poultry. 1880.....qr636.5 W93i
Practical book on breeding and management. All the leading varieties
are described in detail and schedules given for judging at poultry
exhibits.
- Practical poultry keeper; a guide to the management of
poultry, whether for domestic use, markets, or exhibi-
tion. 1897.....636.5 W93
Chiefly a description of breeds and varieties, and their origin, with only
short accounts of methods of management and feeding. Preface dated
1867.

636.7 Dogs

- DALZIEL, Hugh.
Fox terrier, and all about it; revised and brought up to
date by J. Maxtee. 1900.....636.7 D17
- HUNTINGTON, Harry Woodworth.
The show dog; the cardinal virtues and objectionable features
of all the breeds of dogs from the show ring standpoint,
with mode of treatment of the dog both in health and sick-
ness. 1901.....636.7 H94
- LANE, Charles Henry.
All about dogs. 1900.....636.7 L23
The same.....j636.7 L23
- MAXTEE, J.
Popular dog-keeping. 1898.....636.7 M52
Intended for those keeping but one or two dogs as pets. The dogs de-

scribed are those commonly known as "house" dogs. A large portion of the book is devoted to education and training.

STABLES, William Gordon.

Our friend the dog. 1884.....636.7 S77

Describes the characteristics and points of the various breeds, and treats of their management in health and sickness.

WALLACE, Mrs, *comp.*

Memories of some Oxford pets, by their friends. 1900...636.7 W17

WALSH, John Henry, (*pseud.* Stonehenge).

The dog in health and disease. 1887.....636.7 W18

636.8 Cats

CHANCE, Mrs J. C.

Book of cats; being a discourse on cats, with many quotations and original pencil drawings. 1898.....636.8 C36

HUIDEKOPER, Rush Shippen.

The cat; a guide to the classification and varieties of cats, and a treatise upon their care, diseases and treatment.

1895636.8 H91

Bibliography, p.11.

REPPLIER, Agnes.

Fireside sphinx. 1901.....636.8 R35

Contents: The cat of antiquity.—The dark ages.—Persecution.—Renaissance.—The cat of Albion.—The cat in art.—The cat triumphant.—Some cats of France.—The cat to-day.

WINSLOW, Helen Maria.

Concerning cats; my own and some others. 1900.....636.8 W79

There are chapters on the author's own pet cats as well as those of noted people, historic cats, high-bred cats in England and America, the cats of poetry and art, cat hospitals and refuges, kittens and their tricks, characteristics of cats, and an appendix on the diseases of cats and their treatment. Numerous illustrations.

636.9 Other domestic animals

CRABTREE, Pleasant Elijah.

First Belgian hare course of instruction; twenty lessons, with a history of the Belgian hare and actual experiences of breeders. 1901.....636.9 C85

Advice on all branches of Belgian hare raising, with instruction in exhibiting and scoring.

HARTING, James Edmund.

The rabbit; with a chapter on cookery by A. I. Shand.

1898. (Fur and feather series.).....636.9 H32

Discussed as an object of sport. Describes its breeding, and all the methods of capturing and killing it.

SCOTFORD, Frederick E.

Belgian hares and how to raise them. 1900.....636.9 S42

JACKSON, Sheldon.

Annual report ([1st]—date) on introduction of domestic reindeer into Alaska, 1890—date. 1891—date. (United States—Education bureau.).....636.91 J12

1st report is a preliminary report transmitted Nov. 12, 1890. 1st and 4th reports will be found in the sheep bound set of congressional documents, no. 2818 and 3280.

2d report is a special report of progress from 1890 to Jan. 1893.

637 Dairy. Milk

BAUMEISTER, Ferdinand.

- Milch und molkerei-producte. 1895. (Hartleben's chemisch-technische bibliothek.).....r637 B32
 Illustrates the practice in butter- and cheese-factories. Contains a section on milk testing and analysis.

PENNSYLVANIA STATE DAIRYMEN'S ASSOCIATION.

- Transactions, 1876, 1878-1894. (In Agriculture of Pennsylvania, 1878-1894.).....r630.6 P399
 Report of transactions for 1876 in Pennsylvania state agricultural society. Annual report of the transactions, v.11, r630.6 P39.
 For later reports see Pennsylvania—Agriculture, Department of. Annual report.

RICHMOND, Henry Droop.

- Dairy chemistry; a practical handbook for dairy chemists and others having control of dairies. 1899.....637 R42
 "List of useful books," p.357-358.

SNYDER, Harry.

- Chemistry of dairying. 1897.....637 S67
 Bibliography at the end of each chapter.
 Outlines the subject in simple language. Intended to instruct farmers and dairymen in the chemistry of milk and milk-products.

UNITED STATES—Foreign commerce bureau.

- Cattle and dairy farming; reports from consuls of the United States, on cattle and dairy farming and the markets for cattle, beef and dairy products in their several districts. 1887. (49th cong. 1st sess. House. Ex. doc. no.51.).....r637 U25

WING, Henry Hiram.

- Milk and its products. 1897. (Rural science series.).....637 W78
 "References to agricultural experiment station reports and bulletins," p.259-267.
 Discusses especially the manufacture of butter and cheese. Author is (1897) assistant professor of dairy husbandry in Cornell university.

AIKMAN, C. M.

- Milk; its nature and composition. 1895.....637.1 A29

FARRINGTON, Edward Holyoke, & Woll, F. W.

- Testing milk and its products; a manual for dairy students, creamery and cheese-factory operators and dairy farmers. 1898.....637.1 F25
 The methods are those which do not require an expert knowledge of analytical chemistry. The use of the Babcock tester is given especial attention.

638 Bees. Silkworms

ROOT, A. I.

- A B C of bee culture. 1890.....q638 R68
The same; revised by E. R. Root. 1903.....q638 R68a

SOUDER, David.

- Rural economist's assistant in the management of bees, principally taken from the German writings of J. L. Christ. 1807.....r630 P39
 Bound with other pamphlets.

HAZZI, J. von.

Treatise on the culture of silk in Germany and especially in Bavaria; or, Complete instruction for the plantation and the management of mulberry trees and the rearing of silkworms. 1828. (United States. 20th cong. 1st sess. [House. Doc.] no.175, pt.2.).....r633.57 U25
Bound with other pamphlets.

HOMERGUE, John d'.

D'Homergue upon American silk; report of the committee on agriculture, on the growth and manufacture of silk, to which is annexed Essays on American silk, with directions for raising silk worms, by John d'Homergue and P. S. Duponceau, May 24, 1830. 1830. (United States. 21st cong. 1st sess. House. Doc. no.26.).....r630.4 C69
Bound with other pamphlets.

ROBERTS, Edward P.

Manual containing directions for sowing, transplanting and raising the mulberry tree, also directions for the culture of silk. 1839.....r633.57 U25
Bound with other pamphlets.

639 Fisheries

LONDON, INTERNATIONAL FISHERIES EXHIBITION,
1883.

Fisheries exhibition literature. 14v. 1884.....r639 L82
For contents see contents book, p.170; kept at the reference desk.
v.14 is an index volume.

PENNSYLVANIA—Fisheries, State commissioners of.

Fish, fishing and fisheries of Pennsylvania; comp. by
W. E. Meehan. 1893.....r639 P39f
Prepared for Pennsylvania's fish exhibit at the World's Columbian exposition, Chicago, 1893.

Report, 1873/74, 1879/80—date. 1875—date.....r639 P39
The report for 1873/74 will be found in Executive documents, 1874,
r328.74 P39c.
Report for 1883/84 wanting.

THOMPSON, Lindsay G. comp.

History of the fisheries of New South Wales, with a sketch
of the laws by which they have been regulated. 1893....r639 T38

UNITED STATES—Fish commission.

Bulletin. v.1—date. 1882—date.....qr639 U25b
v.1-4 will be found in the sheep bound set of congressional documents,
no.1996, 2127, 2213, 2310.

Fisheries and fishery industries of the United States; prepared by G. B. Goode and a staff of associates. 5v.in 7.
1884-87qr639 U25

v.1. Natural history of useful aquatic animals.
pt.1. Text. pt.2. Plates.

v.2. Geographical review of the fisheries industries and fishing communities for 1880.

v.3. The fishing grounds of North America.

v.4. The fishermen of the United States.

v.5. History and methods of the fisheries.

pt.1-2. Text. pt.3. Plates.

- Report ([1st]-date) of the commissioner, 1871-date. 1873-dater639 U25r
 The title-page of the 1st report reads "Report on the condition of the sea fisheries of the south coast of New England in 1871 and 1872."
 Report of the commissioner on investigations in the Columbia river basin in regard to the salmon fisheries. 1894. (53d cong. 2d sess. Senate. Mis. doc. no. 200.)qr639 U25re
BUND, John William Willis.
 Handy book of fishery management. 1899.....639.1 B88
McINTOSH, William Carmichael.
 Resources of the sea, as shown in the scientific experiments to test the effects of trawling and of the closure of certain areas off the Scottish shores. 1899.....639.1 M17
UNITED STATES—Special agents division.
 Report on the salmon fisheries of Alaska, 1896-1900. 1897-1901r639.1 U25
 Report for 1896 is by G. R. Tingle; for 1897-1900, by H. M. Kutchin.
 Reports for 1899-1900 will be found in the sheep bound set of congressional documents, no.3852 and 4042.
UNITED STATES—State department.
 Fisheries; England, France, Netherlands; message from the president transmitting information on the subject of the regulations of England, France and the Netherlands respecting their fisheries. 1832. (22d cong. 1st sess. House. Doc. no.99.).....r639.1 U253

639.2 Fish-culture

- MATHER, Fred.**
 Modern fishculture in fresh and salt water. 1900.....639.2 M46
 Contains a chapter on whitefish culture, by Herschel Whitaker, and one on the pike-perch, by James Nevin.
ROOSEVELT, Robert Barnwell, & Green, Seth.
 Fish hatching and fish catching. 1879.....639.2 R68
TRAHERNE, John Popkin.
 Habits of the salmon. 1889.....639.2 T68

640 Domestic economy

- BIDDER, Marion Greenwood, & Baddeley, Florence.**
 Domestic economy in theory and practice; a text-book for teachers and students in training. 1901. (Cambridge series for schools and training colleges.).....640 B47
 Gives excellent outlines of lessons on food and domestic economy, with practical directions helpful to every young housekeeper, though many suggestions apply only to the English conditions for which it is written.
BUCKTON, Mrs Catherine M.
 Comfort and cleanliness; the servant and mistress question. 1898.....640 B85
 Short practical directions, including an outline of each servant's work in a small household. Adapted to English city conditions.
CAMPBELL, Mrs Helen.
 Easiest way in housekeeping and cooking. 1893.....640 C15e
 Bibliography, p.288.

DOMESTIC ECONOMY

1003

- Household economics. 1897.....640 C15
 Bibliography at the end of each chapter.
 Practical chapters on house-building, furnishing, household management,
 food, cleaning, sanitation, service, modern life, etc.
- DEWING, Mrs Maria R. (Oakey).
 Beauty in the household. 1882.....645 D51
 Discusses questions of taste and beauty in household furnishings and
 offers many suggestions as to artistic effects.
- HERRICK, Mrs Christine (Terhune).
 First aid to the young housekeeper. 1900.....640 H47
- HOLT, Mrs Elizabeth F.
 From attic to cellar; or, Housekeeping made easy.
 1892640 H74
 Handbook on convenient and sanitary house-furnishing, servants' duties
 and rights, washing, sweeping, fuel, care of lamps, woolens, silver, etc.
- HUNTINGTON, Emily.
 Kitchen garden; or, Object lessons in household work.
 1893qj640 H94
 Author originated the kitchen-garden, which applies kindergarten methods
 to teaching little girls to sweep, dust, answer the door, lay the table,
 and other simple household duties. Miss Huntington's classes have
 been successfully conducted for years at the Wilson mission, Avenue
 A and St. Mark's place, New York.
- MURCHÉ, Vincent T.
 Teacher's manual of object lessons in domestic economy;
 adapted to meet the requirements of the education de-
 partment in the class subject of domestic economy.
 2v. 1898.....640 M97
- ORMSBEE, Mrs Agnes (Bailey).
 House comfortable. 1892.....640 O28
- PARLOA, Maria.
 Home economics. 1898.....640 P24
Contents: Some essentials of the home.—The water-supply.—Furnish-
 ing.—Daily routine of household work.—The laundry.—Care of
 lighting appliances.—Fuel and fires.—Table service.—Marketing.—
 The art of carving.—Food.—Woods and polished floors.—Treatment
 of wood finishes.—Oils, their use and behavior.—Stains.
- POWER, Mrs Susan C. (Dunning), (*pseud.* Shirley Dare).
 Anna Maria's housekeeping. 1884.....640 P87
 Appeared first in the "Wide awake," v.15-19. 1882-1884.
 Practical suggestions for easy and economical housekeeping.
- RICHARDS, Mrs Ellen Henrietta (Swallow).
 Cost of living as modified by sanitary science. 1899.....640 R39
 "It is with the intention of starting a discussion of certain questions by
 the intelligent young people just about to begin life on fifteen hundred
 to three thousand dollars a year that these pages have been written."
Author.
- RICHARDS, Mrs Ellen Henrietta (Swallow), & Elliott, S. M.
 Chemistry of cooking and cleaning; a manual for house-
 keepers. 1897.....640 R39c
 "Books of reference," p.153-154.
 Gives for non-scientific readers practical information as to the chemical
 composition of the different foods, how they are changed by cooking,
 and the proportion of the different elements needed in diet, also tells
 what dust, grease and all sorts of spots and stains really are and what
 will most effectually remove them.
- SEAMAN, Hervey J.
 Expert cleaner; a handbook of practical information for
 all who like clean homes, tidy apparel, wholesome food

- and healthful surroundings. 1899.....r640 S43
The same. 1899.....640 S43
- STACPOOLE, Florence.
 Handbook of housekeeping for small incomes. [1898.].....640 S77
- WILSON, Mrs Lucy Langdon (Williams), *ed.*
 Domestic science in grammar grades; a reader. 1900....640 W76d
 Handbook of domestic science and household arts, for use
 in elementary schools; a manual for teachers. 1900....640 W76
Contents: Haggendotham, May. The house beautiful.—Marlatt, A. L. The kitchen. Starchy foods and how to cook them.—Wilson, Mrs L. L. W. Foods. Advanced course. Principles of cooking.—Beckler, A. H. Fish, oysters and salads.—Wilson, Mrs L. L. W. The dining room.—Norton, Mrs A. P. Bread, pastry and cake.—Hunt, C. L. The bedroom.—Vail, M. B. The laundry.—Elliott, S. M. Household pests.—Wilson, Mrs. L. L. W. House cleaning.—McDougall, J. K. Mending and sewing.—McNear, M. I. How to turn an ordinary school-room into a workshop for the study of household arts.
 Most of the chapters contain bibliographies.
 "The course of study outlined in the following pages has already been subjected to the test of practical application in the schoolroom, with excellent results. I believe that it may be pursued with profit, both to the teacher and to the pupil, in any or all of the grammar grades, and in any school however poorly equipped." *Introduction.*
- YOUMANS, Edward Livingston.
 Hand-book of household science; a popular account of heat, light, air, aliment and cleansing. 1898.....640 Y35

640.5 Periodicals

- AMERICAN kitchen magazine; a domestic science monthly.
 v.8—date. 1897—date.....r640.5 A51
 April 1903 date title reads "Home science magazine."
- GOOD housekeeping; a monthly journal, May 1885—Dec.
 1892, 1896—date. v.1—15, 22—date. 1885—date.....qr640.5 G62
- HOME science magazine. *See* American kitchen magazine.

641 Cookery

- ABEL, Mrs Mary Hinman.
 Practical sanitary and economic cooking, adapted to persons of moderate and small means. 1890.....641 A14
 Prize essay of the American public health association.
 States clearly food values and proper methods of preparation; gives receipts, bills of fare and prices.
- BENTON, Mrs J. Rosalie.
 How to cook well. 1886.....r641 B44
 Collection of tested receipts, with careful directions about mixing and cooking.
- BERSCH, Wilhelm.
 Die brotbereitung; nebst einem anhang, Die einrichtung von brotfabriken und kleineren bäckereien. 1895. (Hartleben's chemisch-technische bibliothek.).....r641 B461
- BOLAND, Mary A. *afterward* Mrs Pequignot.
 Handbook of invalid cooking. 1893.....641 B59
- BROWNE, Phyllis, (*pseud. of* Arthur Gay Payne).
 Dictionary of dainty breakfasts. 1899.....j641 B81

- BURRELL, Caroline Benedict.
Gala-day luncheons; a little book of suggestions. 1901.....643 B94
Some of these chapters appeared first in "Harper's bazar."
- CHURCH, Arthur Herbert.
Food; some account of its sources, constituents and uses.
1898. (South Kensington museum science handbooks.)...643 C46
- CORSON, Juliet.
Family living on \$500 a year. 1887.....641 C82
Practical American cookery and household management.
1885641 C82p
Full of excellent receipts. Includes the care of children and invalids,
and careful instructions for marketing and carving.
- CURTIS, Isabel Gordon.
Left-overs made palatable; a manual of practical economy
of money, time and labor in the preparation and use of
food. 1902.....641 C93
Tells how to utilize foods which in an American household usually go
to waste. The book stands almost alone in its class and is so emi-
nently practical as to be of importance.
- DAVIDIS, Henriette.
Praktisches kochbuch für die gewöhnliche und feinere
küche, bearbeitet für die deutsch-amerikanische küche;
nebst einem anhang spezifisch amerikanischer koch-,
back- und einmach-rezepte; mit umrechnung der deut-
schen masse und gewichte in amerikanische. 1901.....641 D29
- DE LOUP, Maximilian.
American salad book. 1900.....641 D41
- DODDS, Susanna W.
Health in the household; or, Hygienic cookery. 1895.....641 D66
- DUBOIS, Urbain.
Nouvelle cuisine bourgeoise pour la ville et pour la cam-
pagne. [1878.].....641 D85
- EWING, Mrs Emma (Pike).
Art of cookery. 1899.....641 E97
Marketing, care of food, methods of cooking; with receipts, bread and
pastry making, bills of fare, etc.
- FARMER, Fannie Merritt.
Boston cooking-school cook book. 1896.....641 F24
Chafing dish possibilities. 1898.....641 F24c
- GALLIER, Adolphe.
Majestic family cook-book. 1897.....641 G15
- HARLAND, Marion, (*pseud.* of Mrs Mary Virginia (Hawes)
Terhune).
Breakfast, luncheon and tea. 1889.....641 H27
Common sense in the household; a manual of practical
housewifery. 1898.....641 H27c
"Chiefly a cookery book, including dishes for the nursery and sick-
room. A few directions for washing, cleaning, and the like are added.
Mrs. Terhune's cookery is distinctively American, of the Southern
school; her receipts are trustworthy, and the directions sufficiently
clear to be followed successfully by the inexperienced housewife."
- Gesunde vernunft im haushalte; ein handbuch praktischer
hausfrauenschaft. 1887.....641 H27g
- HAUPTMANN, Frederick D.
Bread and cake baking. 1877.....641 H35
Receipts and directions for bakers, by a baker.

HERRICK, Mrs Christine (Terhune).

Liberal living upon narrow means. 1891.....641 H47
Offers an economical and carefully planned menu for every day of one week during each month of the year. Includes hints for avoiding waste.

HUNTINGTON, Emily.

Cooking garden. 1885.....q641 H94
Directions for simple cooking lessons. Author was a pioneer in teaching cooking to children.

JAGO, William.

Text-book of the science and art of bread-making; including the chemistry and analytic and practical testing of wheat, flour and other materials employed in baking. 1895641 J14
Treats of the chemistry of baking, the design of bakeries, machinery used, processes of commercial bread-making, technical and chemical testing of materials, etc. A thorough, practical work for technical chemists and bakers.

JAMES, Alice L.

Catering for two; comfort and economy for small households. 1898.....641 J16

KELLOGG, Mrs E. E.

Science in the kitchen; a scientific treatise on food substances and their dietetic properties, with a practical explanation of the principles of healthful cookery, and a number of recipes. 1892.....641 K16

KIRKLAND, Elizabeth Stansbury.

Dora's housekeeping. 1899.....j641 K28d
Failures and successes of a little girl who cooks, and keeps house for her father.
Six little cooks; or, Aunt Jane's cooking class. 1891.....j641 K28
Easy receipts for little girls to try at home.

LARNED, Mrs Linda (Hull).

Hostess of today. 1899.....641 L32
Designed to assist "in selecting a menu suitable for the most elaborate repast or the simplest meal," with receipts and directions how to serve each dish, and careful estimates of the cost.
"A culinary treatise worthy of as serious consideration as it is possible to accord to literature of the kitchen. It merits encomium not only for the novel manner in which the recipes are presented, but for the piquant quality that pervades them." *Nation*. 1899.

LINCOLN, Mrs Mary Johnson (Bailey).

Boston cook book. 1894.....641 L71
Trustworthy guide in practical cookery. Arrangement of the topics is systematic, and the directions for work so concise and exact that a novice in following them is able to obtain good results. Though not a scientific treatise, it gives a useful outline of the chemistry and physiology of food.

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The printed book; its history, illustration and adornment, from the days of Gutenberg to the present time. 1887...655 B65

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655.05 Periodicals

INLAND printer; monthly. v.13-date. 1894-date.....qr655.05 I24

QUADRAT; a typographical journal; ed. by J. F. Marthens.

v.1-11, in 1. 1873-84.....qr655.05 Q14
Published irregularly.

655.1 History of printing

BLADES, William.

Pentateuch of printing, with a chapter on judges; with a memoir of the author and a list of his works by T. B.

Reed. 1891.....q655.1 B51

Clear, simple, non-technical account of the origin and development of the art of printing.

QUARITCH, Bernard, *comp.*

Monuments of typography and xylography; books of the first half century of the art of printing, offered for sale

by Quaritch. 1897.....r655.1 Q18

SOUTHWARD, John.

Progress in printing and the graphic arts during the Victorian era. 1897.....qr655.1 S72

HESSELS, John Henry.

Haarlem the birth-place of printing, not Mentz. 1887...qr655.112 H48

MORRIS, William, & Cockerell, S. C.

Note by William Morris on his aims in founding the Kelmscott press; together with a short description of the press by S. C. Cockerell, and an annotated list of the books printed thereat. 1898.....r655.142 M91
This was the last book printed at the Kelmscott press.

PLOMER, Henry Robert.

Short history of English printing, 1476-1898. 1900.
(English bookman's library.).....655.142 P71

GRESWELL, William Parr.

Annals of Parisian typography. 1818.....r655.144 G88
Account of the Paris printing establishments from the time of the invention of printing to the introduction of the Greek press in 1507, with a description of their most remarkable productions. Written partly to show their influence on the early English press.

BROWN, Horatio Robert Forbes.

Venetian printing press. 1891.....qr655.145 B78
"Historic study of first-rate importance, based on original researches... There is scarce any subject connected with the production and distribution of literature on which new light is not thrown, but it is to the most interesting and important of these that Mr. Brown devotes the greater part of his investigations—the regulation and censorship of the press." *Nation*, 1890.

ONGANIA, Ferdinando, *pub.*

L'art de l'imprimerie à Venise. 1895-96.....qr655.145 O25a
-Introductory chapter on "The art of printing at Venice during the Italian renaissance" by Carlo Castellani. The library has copies of this work in English, French and Italian.

L'arte della stampa nel rinascimento italiano Venezia.

1894qr655.145 O25ar
Introductory chapter on "The art of printing at Venice during the Italian renaissance" by Carlo Castellani. The library has copies of this work in English, French and Italian.

Early Venetian printing illustrated. 1895.....qr655.145 O25

This beautiful volume consists of reproductions, in black and red, of pages, initials, marks and illustrations of many of the best-known printers of Venice, including Aldus, Jenson, Ratdolt and others, from 1469 to 1539.

Introductory chapter on "The art of printing at Venice during the Italian renaissance" by Carlo Castellani. The library has copies of this work in English, French and Italian.

HECKETHORN, Charles William.

Printers of Basle in the 15th and 16th centuries; their biographies, printed books and devices. 1897.....qr655.149 H39
"Authorities," p.7-9.

WEEKS, Stephen Beauregard.

Press of North Carolina in the eighteenth century, with biographical sketches of printers, an account of the manufacture of paper, and a bibliography of the issues. 1891r655.175 W42
This monograph contains all that was known at the time of its publication (1891), of the 18th century North Carolina press. The bibliography contains 130 titles of books, pamphlets and broadsides printed in the state in the 18th century and gives a summary of the legal literature of the period.

655.2 Type and type-setting

DE VINNE, Theodore Low.

Treatise on the processes of type-making, the point system, the names, sizes, styles and prices of plain printing types. 1900. (Practice of typography.).....655.2 D49

The same. 1900. (Practice of typography.).....r655.2 D49

This copy is kept in the printing department.

The first of a series of treatises on the practice of typography, by the founder of the De Vinne press. Contains an illustrated description of the tools, processes and systems of type-making, the names and descriptions of all sizes of book types, with specimens of each; numerous exhibits of the more important styles of roman, italic, black and display-letter, including recent quaint styles designed for book-printing, with tables of prices of types here and abroad, etc. It is a book which will be needed in every printing and publishing office, for it contains information not to be found in the ordinary grammars of printing nor to be gleaned from the specimen books of the type-founders.

AMERICAN TYPE FOUNDERS' CO.

One hundred years, 1796-1896; MacKellar, Smiths and Jordan foundry, Philadelphia, Pa. 1896.....qr655.21 A51

URQUHART, John W.

Electro-typing; a practical manual. 1881.....655.22 U27

655.24 Specimen books

AMERICAN TYPE FOUNDERS' CO.

Specimens of printing types. 1897.....r655.24 A51

BRUCE'S, (George) SON & CO.

Specimens of printing types made at Bruce's New-York type-foundry. 1882.....qr655.24 B82

Contains "The invention of printing," by T. L. De Vinne.

FARMER, (A. D.) & SON TYPE FOUNDING CO.

Specimens, including complete price list. 1897.....r655.24 F24

PAGE, (William H.) WOODTYPE CO.

Chromatic specimens of wood type.....qr655.24 P14

A pamphlet of specimens of ordinary wood type is bound with this volume.

RALPH, Edmund Southpy, *comp.*

Book of designs from type; showing practical examples selected from the catalogues and letter-press work of various customers; studies in black and white. 1897...r655.24 R17b

Modern type display; examples of artistic type display, also a brief treatise on type display. 1900.....r655.24 R17

Published by the Inland printer co.

655.25-655.26 Composition. Proof-reading

DE VINNE, Theodore Low.

Correct composition; a treatise on spelling, abbreviations, the compounding and division of words, the proper use of figures and numerals, italic and capital letters, notes, etc.; with observations on punctuation and proof-reading. 1901. (Practice of typography.).....655.25 D49

The same. 1901. (Practice of typography.).....r655.25 D49

This copy is kept in the printing department.

TEALL, Francis Horace.

Proof-reading; a series of essays for readers and their employers and for authors and editors. 1899.....r655.25 T26
 Author was critical proof-reader and editor of the Century and Standard dictionaries, and is (1901) editor of the Proof-room notes and queries department of the "Inland printer."

VENN, Theo. J.

Manual of proofreading. 1897.....655.25 V26

BISHOP, Henry Gold.

Specimens of job work for printers; suggestions for setting up business cards, letter heads, bill heads, circulars and all kinds of display advertising. 1896.....qr655.26 B49

TYPOGRAPHICAL UNION NO. 6, New York.

Printing exposition job contest; reproductions of 134 specimens of job composition submitted in a competition inaugurated by Typographical union no.6, New York, in connection with the celebration of its 50th anniversary. 1900.....qr655.26 T98

655.27 Imposition

WILLIAMS, T. B.

Hints on imposition; a guide for printer and pressman in the construction of book-forms. 1895.....655.27 W74

655.28 Linotype

BARCLAY, E. J.

Linotype operator's companion; contains a list of patents issued on type-setting, distributing and matrix-making machines, from 1841-1898. 1898.....r655.28 B23
 This book is kept in the printing department.

COCHRANE, Charles Henry.

Proper fingering of the linotype keyboard. 1898.....r655.28 C64
 Reprinted from the "Inland printer," July 1898.

LINOTYPE manual; giving detailed instructions of the

proper adjustment and care of the linotype. 1898....r655.28 L72

MERGENTHALER LINOTYPE CO.

Price list of linotype parts. 1898.....r655.28 M63
 This book is kept in the printing department.

STUBBS, William Henry.

Stubbs's manual; a practical treatise on linotype keyboard manipulation. 1902.....r655.28 S93
 Author is (1902) the holder of speed record. He explains clearly his own method of fingering.

655.3 Practical printing

BISHOP, Henry Gold.

Job printer's list of prices and estimate guide, containing prices to be charged for all kinds of job and book work. 1893655.3 B49

The practical printer, containing information on all the various parts of the printing business. 1895.....655.3 B49p

JACOBI, Charles Thomas.

Printing; a practical treatise on the art of typography as applied more particularly to the printing of books.

1893. (Technological handbooks.).....r655.3 J13

This book is kept in the printing department.

MOXON, Joseph.

Mechanick exercises; or, The doctrine of handy-works applied to the art of printing. 2v. 1896.....qr655.3 M94

Reprint of the edition of 1683.

WILSON, Frederick J. F. & Grey, Douglas.

Practical treatise upon modern printing machinery and letterpress printing. 1888.....q655.3 W76

KELLY, William J.

Presswork; a practical handbook for the use of pressmen and their apprentices. 1897.....r655.32 K17

Appeared in the "Inland printer."

This book is kept in the printing department.

The same. 1902.....r655.32 K17p

LANGER, Wilhelm.

Die herstellung der abziehbilder (metachromatypie, decalcomanie), der blech- und transparentdrucke. 1888.

(Hartleben's chemisch-technische bibliothek.).....r655.32 L25

655.4 History of publishing and bookselling

PUTNAM, George Haven.

Books and their makers during the middle ages. 2v.

1896-97655.4 P99

v.1. 476-1600.

v.2. 1500-1709.

Treats of books in manuscript, of the invention of printing and the history in some detail of the representative great printer-publishers, including a list of titles of their more important publications. Discusses the beginning of property in literature, censorship and literary privileges.

ARBER, Edward, *comp.*

List, based on the registers of the Stationers company, of 837 London publishers (who were by trade, printers, engravers, booksellers, bookbinders, etc.) between 1553 and 1640; a master key to English bibliography.

1890qr655.442 A66

ROBERTS, William.

Earlier history of English bookselling. 1889.....655.442 R53

Contents: Bookselling before printing.—The dawn of English bookselling.—Bookselling in the time of Shakespeare.—Bookselling in the 17th century.—Bookselling in Little Britain.—Bookselling on London bridge.—Other bookselling localities.—Jacob Tonson.—Bernard Lintot.—Edmund Curll.—John Dunton.—Thomas Guy.

655.5 Publishing and bookselling

PUTNAM, George Haven, & John Bishop.

Authors and publishers; a manual of suggestions for beginners in literature. 1897.....655.5 P99

WAGNER, Leopold.

How to publish a book or article and how to produce a play. 1898.....655.5 W13

WELSH, Charles.

Publishing a book; a few practical hints to authors as to the preparation of manuscript, the correction of proof, and arrangement with the publisher. 1899.....655.5 W51

655.6 Copyright

BIRRELL, Augustine.

Seven lectures on the law and history of copyright in books. 1899.....655.6 B49

PUTNAM, George Haven.

Question of copyright. 1891. (Questions of the day.)....655.6 P99

The same. 1896.....r655.6 P99q

Comprises the text of the United States copyright law, a summary of the copyright laws now in force in the chief countries of the world, a report of pending legislation in Great Britain, and a sketch of the contest in the United States from 1837 to 1891 to secure international copyright, together with a paper on the results of the American act of 1891.

WRIGHT, Carroll Davidson.

Report on the effect of the international copyright law in the United States, made in compliance with the resolution of the United States Senate of Jan. 23, 1900. 1901. (United States. 56th cong. 2d sess. Senate. Doc. no.87.).....r4033

656 Transportation. Railroads

See also Railroads, 385; Railroad and road engineering, 625

ALEXANDER, J. T. Burton.

Runs in three continents; a short record of actual performances on some European, Canadian, Australian and American railways. 1900.....656 A376

COMMERCIAL & FINANCIAL CHRONICLE, *comp.*

Hand-book of railroad securities. Jan. 1900; description, income, prices, dividends. 1900r656 C73

DREDGE, James.

Record of the transportation exhibits at the World's Columbian exposition. 1894.....qr656 D81r
Partly reprinted from "Engineering."

GRAY, Thomas, 1787-1848.

Observations on a general iron rail-way, or land steam-conveyance. 1825.....r656 G81

JEANS, James Stephen.

Railway problems; an inquiry into the economic conditions of railway working in different countries. 1887.....656 J22

MARINE REVIEW, *pub.*

Blue book of American shipping. 1898-date. 3d annual issue-date. 1898-date.....qr656 M38
Issue for 1901 wanting.

MERCANTILE GUIDE AND BUREAU CO. *pub.*

C. and T. (Cavanagh & Townsend, commerce & transportation) shipping guide, combining a railroad, express, postal and route guide. 1900.....qr656 M63

PURCHASING AGENTS' DIRECTORY CO. *pub.*

Railway purchasing agents', master mechanics' and master car builders' directory, 1891/92, 1895. 1890-95.....r656.02 P98

AMERICAN RAILWAY ASSOCIATION.

Proceedings. v.1-date. 1886-date.....qr656.05 A51

The volume for 1886 to 1893 contains an appendix of the Proceedings of the General time convention, 1872 to 1885, and of the Southern railway time convention, 1877 to 1885.

In 1886 the Southern railway time convention united with the General time convention, and in 1891 the convention became the American railway association.

Proceedings for Oct. 1899 wanting.

RAILWAY magazine; monthly. v.2-3. 1897.....r656.05 R15

RINGWALT, John Luther.

Development of transportation systems in the United States. 1888.....qr656.09 R47

Describes the leading features of advancement (from the colonial period to recent times) in the various methods of transportation. Gives the cost at various times and with the different systems, the various questions which have arisen, and notable incidents in railway development.

656.1 Railroad management

IVATTS, Edmund B.

Railway management at stations. 1898.....656.1 I33

Manual of instruction, with suggestions for improvements. Conforms to the English system of railway working.

KIRKMAN, Marshall Monroe.

Railway service, trains and stations. 1878.....656.1 K28

"Treats of the composition and movement of railway trains and the laws governing the same, including an exposition of the duties of train and station men." *Preface.*

656.2 Light railroads

COLE, William Henry.

Light railways at home and abroad. 1899.....656.2 C68

Manual of information concerning light railways, both narrow and standard gage, in different countries. Pays particular attention to their development in England.

FLEMING, Howard.

Narrow gauge railways in America. 1876.....656.2 F62

Historical and practical sketch, including a directory of narrow-gauge railways in the United States in 1876.

656.31 Railroad accounting

EATON, James Shirley.

Railroad operations, how to know them; from a study of the accounts and statistics. 1900.....656.31 E19

656.4 Accidents. 656.5 Safety appliances

ADAMS, Charles Francis, b. 1835.

Notes on railroad accidents. 1879.....656.4 A21

LANGDON, William Edward.

Application of electricity to railway working. 1897.....656.5 L24

The same. 1877.....r656.5 L24

Has no reference to railways in which electricity is the form of energy used to move the trains, but deals with the application of electricity to telegraphs, the block system of signals and train-lighting.

STRETTON, Clement E.

Safe railway working; a treatise on railway accidents, their cause and prevention, with a description of modern appliances and systems. 1893.....656.5 S91

656.51 Signals

MURPHY, W. J.

Stereopticon method of examining and instructing railway employes. 1899.....656.51 M97
A method of representing train signals in the lecture-room.

RAILWAY SIGNAL ASSOCIATION.

Proceedings, 1897/98-date. v.1-date. 1898-date.....r656.51 R15
From 1897-1903 called Railway signaling club.

WILSON, H. Raynar.

Railway signalling. [1900.] (Railway series of text books and manuals by railway men.).....qr656.51 W76
Treats only mechanical signaling, and describes minutely the appliances representing sound British practice. Working drawings are given for almost every device used.

ADAMS, Braman Blanchard.

Block system of signaling on American railroads; the methods and appliances used in manual and automatic block signaling, also descriptions of hand-operated and power-operated interlocking machines. 1901.....656.56 A21

DERR, William Lloyd.

Block signal operation; a practical manual. 1897.....656.56 D44

ELLIOTT, W. H.

Block and interlocking signals. 1896.....656.56 E52
Construction, operation and cost of various systems.

PIGG, James.

Railway "block" signalling; the principles of train signalling and apparatus for ensuring safety. [1898.]....656.56 P57

656.6 History of railroads

ENGLAND—Steam carriages on common roads, Select committee on.

Report on steam carriages, by a select committee of the House of commons, with minutes of evidence and appendix. 1832. (United States. 22d cong. 1st sess. House. Doc. no.101.).....r656.6 E64

Appendix contains "Documents in relation to the comparative merits of canals and railroads," giving much information on cost of railway construction, maintenance and operation in early times.

Committee inquired into the tolls which should be imposed, the tolls which the laws then in force allowed, and "generally into the present state and future prospects of land carriage by means of wheeled vehicles propelled by steam or gas on common roads."

GILPIN, William.

Cosmopolitan railway, compacting and fusing together all

- the world's continents. 1890.....656.6 G42
 A plan for a railway system connecting the railroads of America, by way of Bering strait, with those of Asia, Europe and all the world.
- PANGBORN, Joseph Gladding.
 Side lights on management world systems railways. 1901..656.6 P21
 A practical railway man's views of the efficiency of the various systems of railway management used in America, Germany, Australia, New Zealand, India, England and Russia.
- The world's rail way; historical, descriptive, illustrative.
 1894qr656.6 P21
 Accurate and extremely interesting survey of railroading, describing particularly the early days of the industry. Contains many illustrations of almost all the early types of locomotives.

England

- ACWORTH, William Mitchell.
 Railways of England. 1890.....656.642 A18
 Popular description of the leading railways, noting the most characteristic features of each.
- FINDLAY, George James.
 Working and management of an English railway. 1891..656.642 F49
- GRINLING, Charles Herbert.
 History of the Great northern railway, 1845-1895. 1898..656.642 G92
 The railway in question is the Great northern of England.
- PENDLETON, John.
 Our railways; their origin, development, incident and romance. 2v. 1894.....656.642 P39
 Treats of English railways only.

United States

- ADAMS, Charles Francis, b. 1835.
 Railroads; their origin and problems. 1888.....656.673 A21
 Discusses the necessity of governmental regulation of railway rates, earnings, etc.
- The AMERICAN railway; its construction, development, management and appliances. 1893.....qr656.673 A51
Contents: Introduction, by T. M. Cooley.—Building of a railway, by T. C. Clarke.—Feats of railway engineering, by John Bogart.—American locomotives and cars, by M. N. Forney.—Railway management, by E. P. Alexander.—Safety in railroad travel, by H. G. Prout.—Railway passenger travel, by Horace Porter.—Freight-car service, by Theodore Voorhees.—How to feed a railway, by Benjamin Norton.—Railway mail service, by T. L. James.—The railway in its business relations, by A. T. Hadley.—Prevention of railway strikes, by C. F. Adams.—Every-day life of railroad men, by B. B. Adams, jr.—Statistical railway studies, by F. W. Hewes.
- AMERICAN street railway investments; a supplement to the Street railway journal; annual. 6th annual volume—date. 1899—date.....qr656.673 A512
- BALTIMORE AND OHIO RAILROAD CO.
 Annual report (6th, 8th-9th, 16th-20th, 24th) of the president and directors to the stockholders, 1832, 1834-35, 1842-46, 1850. 1832-50.....r656.673 B21a
 The 8th and 9th annual reports will be found in a volume of pamphlets numbered, r38o D24.
- Laws, ordinances and documents relating to the company. 1840.....r656.673 B21

DREDGE, James.

Pennsylvania railroad; its organization, construction and management. 1879.....qr656.673 D81
Chiefly reprinted from "Engineering."

FARIES, Robert.

Report on the surveys to avoid the inclined planes on the Allegheny portage railroad. 1851.....r656.673 R15
Bound with other pamphlets.

HAGE, Hother.

Report relative to the survey of a rail road from Chambersburg to Pittsburg, and the survey of the Raystown branch of the Juniata river, with estimates of the cost of the work, by Hother Hage; and a Report of a survey and estimate of the cost of constructing a macadamized or block road from Laughlinstown to Chambersburg, by Charles De Hass; read in Senate, Jan. 28, 1839. 1839.....r656.673 R15
Bound with other pamphlets.

MOTT, Edward Harold.

Between the ocean and the lakes; the story of Erie. 1899q656.673 M94
History of the New York and Erie railroad, including brief biographies of the presidents of the road.

OHIO AND PENNSYLVANIA RAILROAD CO.

Annual report (1st, 3d) of the president and directors to the stockholders. 1849-51.....r656.673 R15
The 1st annual report is a report to the president and directors, by S. W. Roberts, chief engineer.
Bound with other pamphlets.

PENNSYLVANIA—Auditor general's office.

Reports of the railroad companies of Pennsylvania, communicated by the auditor general to the legislature, 1863-1874. 1864-75.....r656.673 P399
Later reports include canals, telegraph and telephone companies.
By the constitution of 1873 railroad companies are required to report to the secretary of internal affairs instead of to the auditor general.

PENNSYLVANIA—Internal affairs department.

Annual report of the secretary; pt.4. Railroad, canal, navigation, telegraph and telephone companies, 1875-date. 1876-dater656.673 P3992
Earlier reports were issued by the auditor general.

PENNSYLVANIA RAILROAD CO.

Annual report (1st-3d) of the directors, 1847-49. 1847-50r656.673 R15
Bound with other pamphlets.

By-laws of the board of directors, 1847, with the charter, its supplement and other laws relating to railroads projected from Cumberland to Pittsburg and from Pittsburg east. 1847.....r656.673 R15
Bound with other pamphlets.

Catalogue of the exhibit at the World's Columbian exposition. 1893.....qr656.673 P39
The illustrations consist of photographs of early rolling-stock, bridges, etc., and of facsimiles of old advertisements, bills of lading, letters and telegrams relating to early railroad operation in the United States.

- Report of the investigating committee appointed by the stockholders, Mar. 10th, 1874. 1874.....qr656.673 P39r
- RAILROAD CONVENTION, Harrisburg, 1838.
Proceedings. 1838.....r656.673 R15
- ROBERTS, Solomon White.
Report to the president and directors of the Ohio and Pennsylvania rail-road company. 1849.....r656.673 R15
Being the 1st annual report of the president and directors to the stockholders of the Ohio and Pennsylvania railroad company.
Bound with other pamphlets.
- SIPES, William B.
Pennsylvania railroad; its origin, construction, condition and connections; embracing notices of cities and objects of interest in Pennsylvania and New Jersey.
1875q656.673 S61
The same. 1875.....qr656.673 S61
- UNITED STATES—Interstate commerce commission.
Annual report (1st-date) on the statistics of railways, for the year ending June 30, 1888—date. 1889—date.....r656.673 U25
Fifth report is bound with r385 U25 v.7.
- VAN OSS, S. F.
American railroads as investments. 1893.....656.673 V19
Treats of railway conditions in the United States, giving financial and statistical data, and historical and descriptive sketches, of all the railways of importance. Written especially for English investors.
- WARMAN, Cy.
Story of the railroad. 1898. (Story of the West series.)656.673 W23
Pictures the building of the earlier transcontinental lines across the true West. Historically, the book is valuable because it gives a comprehensive sketch of a great subject in a brief compass, and, furthermore, the strange and picturesque phases of life which are depicted are full of immediate interest.
The same. 1903.....j656.673 W23
- WILSON, William Bender.
History of the Pennsylvania railroad company; with plan of organization, portraits of officials, and biographical sketches. 2v. 1899.....656.673 W77
The same. 2v. 1899.....r656.673 W77

656.7 Road transportation

- KIRKMAN, Marshall Monroe.
Classical portfolio of primitive carriers; a picturesque account of the origin and evolution of transportation.
1895qr656.7 K28
Contains many engravings portraying the primitive people of the world, and their methods of carriage in every age and quarter of the globe.
- MOORE, Henry Charles.
Omnibuses and cabs; their origin and history. 1902.....656.7 M87
Entertaining, well-illustrated book which traces the history of omnibuses from the time of the famous Shillibeer, and still more remotely from the first conception of an omnibus in the brain of Blaise Pascal. The development of the cab is illustrated by some capital pictures, and there is much of interest about cab fares, cab strikes and cab accidents.

656.8 Navigation. Seamanship

FRY, Henry.

History of north Atlantic steam navigation. 1896.....r656.8 F97

Author is (1896) ex-president of the Dominion board of trade of Canada, and is a high authority on steam-navigation. The book includes histories of the principal north Atlantic lines of steamships.

HOLMES, George C. V.

Ancient and modern ships. v.1. 1900. (Victoria and Albert museum science handbooks.).....656.8 H73

v.1. WOODEN SAILING-SHIPS: Ancient ships in the Mediterranean and Red seas.—Ancient ships in the seas of northern Europe.—Medieval ships.—Modern wooden sailing-ships.—Description of an archaic Greek bireme.—Tonnage and its measurement at different times.

KNOX, Thomas Wallace.

Life of Robert Fulton and a history of steam navigation.

1886656.8 K35

NARES, Sir George Strong.

Seamanship. 1886.....r656.8 N13

PREBLE, George Henry.

Chronological history of the origin and development of steam navigation, 1543–1882. 1883.....656.8 P89

The same. 1883.....r656.8 P89

"Professes to be nothing more than a mere epitome of history, and as such is of value to...students, but will hardly prove of interest to general readers." *Van Nostrand's engineering magazine*, 1883.

UNITED STATES—Statistics bureau.

Shipping industry of the United States; its relation to the foreign trade. 1901. (Monthly summary of commerce and finance, Dec. 1900, p.1369–1428.).....q656.8 U25

UNITED STATES coast pilot; Atlantic coast. pt.1–8. 1898–

1903. (United States—Coast and geodetic survey.)..qr656.8 U25

pt.1–2. From the St. Croix river to Cape Ann. Ed.2. 1903.

pt.3. From Cape Ann to Point Judith. Ed.2. 1903.

pt.4. From Point Judith to New York. Ed.3. 1899.

pt.5. From New York to Chesapeake bay entrance. Ed.2. 1898.

pt.6. Chesapeake bay and tributaries. Ed.2. 1902.

pt.7. From Chesapeake bay entrance to Key West. Ed.2. 1900.

pt.8. Gulf of Mexico, from Key West to the Rio Grande. Ed.2. 1901.

UNITED STATES coast pilot; Pacific coast. pt.1–2. 1901–03.

(United States—Coast and geodetic survey.).....qr656.8 U25u

pt.1. Alaska; Dixon entrance to Yakutat bay, with inland passage from

Juan de Fuca strait to Dixon entrance. Ed.4. 1901.

pt.2. California, Oregon and Washington. 1903.

BARKER, David Wilson.

Manual of elementary seamanship. 1896.....656.81 B24

BULLEN, Frank Thomas.

Men of the merchant service; the polity of the mercantile marine, for 'longshore readers. 1900.....656.81 B87

"Affords...a clear account of the life, the work, the prospects, the qualifications needed, the conditions necessary to success in the merchant service, reviewing every phase of the career, and working through the whole ship's company from master down to ship's boy...The most serious point in Mr. Bullen's...book [is] the deterioration in quality of the English seaman, and he traces it without hesitation to its cause in the relaxation of discipline." *Spectator*, 1900.

CHADWICK, French Ensor, and others.

Ocean steamships. 1891.....656.81 C34

Contents: The development of the steamship, by F. E. Chadwick.—Speed in ocean steamers, by A. E. Seaton.—The building of an ocean

greyhound, by W. H. Rideing.—Ocean passenger travel, by J. H. Gould.—The ship's company, by J. D. J. Kelley.—Safety on the Atlantic, by W. H. Rideing.—The ocean steamship as a freight carrier, by J. H. Gould.—Steamship lines of the world, by Ridgely Hunt. Interesting articles by experts. Intended for general reading.

KNIGHT, Austin M.

Modern seamanship. 1901.....656.81 K34

Written when the author was at the head of the department of seamanship at the U. S. naval academy, to supply a text-book which should meet the modern naval conditions, giving most attention to the full-powered steamer, but not neglecting the sailing vessel. It is as modern in method as in scope, and a valuable manual for yachts and merchant vessels as well as for men-of-war.

656.9 River navigation

GOULD, Emerson Willard.

Fifty years on the Mississippi; or, Gould's history of river navigation. 1889.....r656.9 G73

HABERMEHL, John.

Life on the western rivers. 1901.....656.9 H11

The author's personal experiences and observations of the boatmen, passengers, etc. on the Mississippi river and its tributaries 60 years ago.

LATROBE, John Hazlehurst Boneval.

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FISCHER, Ferdinand.

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Pouvoir calorifique des combustibles. 1900.662.6 P79

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Report on the manufacture of coke. 1885.....qr662.7 W42
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THWAITE, Benjamin Howarth.

- Gaseous fuel, including water gas. 1889.....662.8 T43
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663 Beverages

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History of ancient and modern wines. 1824.....qr663.2 H44

MAIER, Karl.

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manufacture of fortified and artificial wines.

MOHR, Friedrich.

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PIAZ, Antonio dal.

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Brief practical manual of the manufacture of wine, by an experienced
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CASSIAN, Franz.

- Die dampf-brauerei; eine darstellung des gesammten brauwesens nach dem neuesten stande des gewerbes. 1887. (Hartleben's chemisch-technische bibliothek.).....r663.3 C26
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HABICH, G. E.

- Handbuch der bierbrauerei, auf grundlage von Habich, Schule der bierbrauerei; hrsg. von Conrad Schneider und Gottlieb Behrend. 1891.....663.3 H11
Thorough manual of all branches of the German brewing industries.

LEYSER, Emil.

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A standard text-book of German methods and practice. Thorough and accurate. Treats especially of thick mash beers.

WAHL, Robert, & Henius, Max, *ed.*

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Pocket encyclopedia, giving concise information as to standard American practice in the various industries connected with brewing.

WEBER, Karl.

- Die malz-fabrikation; eine darstellung der bereitung von grün-, luft- und darrmalz nach dem gewöhnlichen und den verschiedenen mechanischen verfahren. 1887. (Hartleben's chemisch-technische bibliothek.).....r663.3 W37
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- Die keller der bierbrauereien. 1900.....663.4 F94
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RÜDINGER, Hermann.

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BRIEM, Hermann.

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Treats of manufacture of rum and alcohol from sugar-beets and beet sugar molasses.

EIDHERR, Eduard.

- Der chemisch-technische brennereileiter; populäres handbuch der spiritus- und presshefe-fabrikation. 1898. (Hartleben's chemisch-technische bibliothek.).....r663.5 E39
Concise explanation of the chemistry and technology of distillation.
Describes processes, machinery, etc.

GABER, August.

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Die liqueur-fabrikation. 1899. (Hartleben's chemisch-technische bibliothek.).....r663.5 G11

Describes the raw materials, processes, etc. used, and gives numerous formulæ for liqueurs, crèmes, brandies, etc.

Der praktische destillateur und spirituosenfabrikant; hand- und hilfsbuch für destillateure, liqueur- und spirituosenfabrikanten. 1901. (Hartleben's chemisch-technische bibliothek.)r663.5 G11p

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GUICHARD, Pierre.

Traité de distillerie: Chimie du distillateur. 1895. (Encyclopédie de chimie industrielle.).....r663.5 G96tr

Summarizes the chemical properties of the various alcohols, sugars and their derivatives of importance in commercial distillation, and gives directions for their chemical identification and estimation.

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Brief theoretical and practical handbook for yeast-makers.

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Practical handbook on the distillation of spirits from potatoes and grain, including maize and rice.

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DUBELLE, George H. *ed.*

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MEITZ, Oskar.

Die fabrikation der moussirenden getränke; praktische anleitung zur fabrikation aller moussirenden wässer,

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Handbook for the manufacturer and dispenser of carbonated beverages, describing machinery and apparatus, chemicals used, etc.

663.9 Chocolate. Coffee

SALDAU, Ernst.

Die chocolade-fabrikation. 1881. (Hartleben's chemisch-technische bibliothek.).....r663.91 S1
Directions for making the different commercial varieties, descriptions of machinery used, properties of cacao and methods of analysis and of testing for adulterants are given.

LEHMANN, Karl.

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Unsere lebensmittel; eine anleitung zur kenntniss der vorzüglichsten nahrungs- und genussmittel, deren vorkommen und beschaffenheit in gutem und schlechtem zustande, sowie ihre verfälschungen und deren erkennung. 1879. (Hartleben's chemisch-technische bibliothek.)r664 C1

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- REHWALD, Felix.
Die stärke-fabrikation und die fabrikation des traubenzuckers. 1895. (Hartleben's chemisch-technische bibliothek.)r664.2 R29
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- LANG, Victor.
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- WILFERT, Adolf.
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- ANDÉS, Louis Edgar.
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- DUCKWALL, Edward W.
Bacteriology applied to the canning and preserving of food products. 1899.....664.8 D86
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- MERGES, Nicolaus.
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665 Oils. Gases. Candles

- BOLLEY, Pompejus Alexander.
Das beleuchtungswesen; nebst einem anhang über elektrische beleuchtung, von Gustav Wiedemann. 1862.
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- BRANNT, William Theodore, *ed.*
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- BRUNNER, Richard.
Die fabrikation der schmiermittel, der schuhwichse und lederschmiere. 1897. (Hartleben's chemisch-technische bibliothek.)r665 B83
Chiefly a collection of formulæ for lubricants for sewing-machines, watches and wagons, and oils and greases for shoes, leather, etc., with some discussion of the raw materials and methods of extraction of oils.
- CARPENTER, William Lant.
Treatise on the manufacture of soap, candles, lubricants and glycerin. 1895.....665 C22
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- HURST, George H.
Lubricating oils, fats and greases; their origin, preparation, properties, uses and analysis. 1896.....665 H95
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Brief compilation of receipts and directions.
- LEWKOWITSCH, Julius.
Laboratory companion to fats and oils industries. 1901...r665 L67
Contents: System and examination of fats and waxes.—Fats, oils and

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Tables intended to contain all numerical values necessary in the examination of fats and oils.

LIGHTING. 1895. (Chemical technology, v.2.).....q665 L69

Contents: Fats and oils, by W. Y. Dent.—Stearine industry, by J. McArthur.—Candle manufacture, by L. Field and F. A. Field.—The petroleum industry, and Lamps, by Boverton Redwood.—Miners' safety lamps, by Boverton Redwood and D. A. Louis.

The same. 1895.....qr665 L69

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PERL, Eduard.

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WRIGHT, Charles Romley Alder.

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665.2-665.3 Animal and vegetable oils and fats

ANDÉS, Louis Edgar.

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- Die trocknenden oele; ihre eigenschaften, zusammensetzung und veränderungen, sowie fabrikation der firnisse aus denselben zu anstrichen und für buchdrucker. genaue darstellung der fabrikation aller anstrich-, buchdruck-, stein- und kupferdruckfarben. 1882. (Handbuch der chemischen technologie; hrsg. von P. A. Bolley und anderen.).....r661.11 F52
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665.4 Mineral oils. Paraffin

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BERLINERBLAU, Joseph.

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665.5 Petroleum

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BRANNT, William Theodore, ed.

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Alexander Veith. 1895.r665.5 B71

Contents: History of petroleum; History of the petroleum industry in the
United States, Galicia, Roumania, Russia and other countries. -Divi-
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665.7 Illuminating gas

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665.9 Incandescent gas-lighting

CASTELLANI, L.

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Manière de fabriquer soi-même les capuchons à incandes-
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666 Ceramics. Glass

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- FURNIVAL, William Jones.
Researches on leadless glazes. 1898.....r666.2 F99
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666.3-666.6 Ceramics

- AMERICAN CERAMIC SOCIETY.
Transactions, containing the papers and discussions of the annual meeting (1st-date), 1899-date. 1900-date.....r666.3 A51
- BINNS, Charles Fergus, ed.
Ceramic technology; some aspects of technical science as applied to pottery manufacture. 1897666.3 B46
Contents: The chemistry of pottery.—Analysis and synthesis.—Potters' clays and their components.—The biscuit oven.—Pyrometry.—Glazes and their composition.—Colours and colour making.
Brief elementary manual.
- LANGENBECK, Karl.
Chemistry of pottery. 1895.....666.3 L24
- SCHAMBERGER, J. W.
Die keramische praxis; populäre anleitung zur erzeugung keramischer producte aller art, unter berücksichtigung der einschlägigen maschinen und sonstiger hilfssaparate zur bereitung von massen und glasuren, nebst den erforderlichen brennöfen. 1901. (Hartleben's chemisch-technische bibliothek.).....r666.3 S29
Brief manual, founded on the author's experience. Written in clear, simple language.
- SEGER, Hermann August.
Collected writings; prepared from the records of the Royal porcelain factory at Berlin, by H. Hecht and E. Cramer, tr. by the members of the American ceramic society, ed. by Albert Bleining. 2v. 1902.....qr666.3 S45
v.1. Treatises of a general scientific nature.—Essays relating to brick and terra cotta.—Essays referring to earthenware and stoneware.—

- Articles treating of refractory wares.
 v.2. Articles treating of refractory wares (continued).—Reports of travel and letters (polemics).—Uncompleted work and communications from the records of the Royal porcelain manufactory. Life of the author, by H. Hecht, v.1, p.11–21.
 Seger was for many years the head of the Chemical-technical experiment station at the Royal porcelain factory. The writings give the results of his numerous investigations into the technology of the ceramic industries, and are valuable to all workers in this field.
- SWOBODA, Carl B.
 Grundriss der thonwaaren-industrie oder keramik. 1895.
 (Hartleben's chemisch-technische bibliothek.).....r666.3 S97
 "Führer durch die keramische literatur," p.189–193.
- WIPPLINGER, Ludwig.
 Die keramik; oder, Die fabrikation von töpfer-geschirr, steingut, fayence, steinzeug, terralith, sowie von französischem, englischem und hart-porzellan. 1897. (Hartleben's chemisch-technische bibliothek.).....r666.3 W79
 Treats subject practically; describes machinery and processes; gives receipts for mixtures, etc.
- GRIMM, Hans.
 Die fabrikation des feldspat-porzellans. 1901. (Hartleben's chemisch-technische bibliothek.)r666.5 G91
 Treats of materials, and their preparation, modeling of wares, burning, decorating, etc. Contains numerous illustrations of machinery and furnaces.
- SANDEMAN, Ernest Albert.
 Notes on the manufacture of earthenware. 1901.....666.6 S21
 Elementary treatise, paying particular attention to practical matters. Intended as an introduction to the study of larger works.
- STEINBRECHT, Gustav.
 Die steingut-fabrikation. 1891. (Hartleben's chemisch-technische bibliothek.).....r666.6 S81
 Brief popular manual on the manufacture of faience, for students and workmen.

666.7 Bricks. Tiles

- BRICKMAKER; [semimonthly]. v.9–16, in 4. 1891–93....qr666.7 B74
 v.11, Mar. 15–June 1, 1892, wanting.
- CLAY record; [semimonthly]. v.1–date. 1892–date.....qr666.7 C54
- DAVIS, Charles Thomas.
 Practical treatise on the manufacture of brick, tiles and terra-cotta. 1895.....666.7 D31
 American practice. Clay, fire, pressed and glazed brick, sewer pipe, drain-tile, ornamental tile, roofing-tile and architectural terra-cotta are included.
- HARRIS, George F.
 Science of brickmaking. 1897. (The "British clay-worker" manuals.).....666.7 H29
- LEFÈVRE, Léon.
 Architectural pottery; tr. fr. the French by K. H. Bird and W. M. Binns. 1900.....qb666.7 L53
 Contents: Clays.—Preparation of the clay.—Bricks.—Tiles.—Pipes.—Quarries.—Terra-cottas.—General remarks on the decoration of pottery.—Glazed and enamelled bricks and tiles.—Decorated quarries.—Architectural decorated pottery.—Sanitary pottery.
 Bibliography, p.485–486.
 "Thorough, well-arranged and intelligent account of all the materials, processes and appliances used in the manufacture." *American architect*, 1901.

ZWICK, Hermann.

- Die natur der ziegelthone und die ziegel-fabrikation der gegenwart. 1894. (Hartleben's chemisch-technische bibliothek.)r666.7 Z94 .
Treats especially of the chemical and physical properties of the clays and of the theoretical side of brick-making.

666.8 Artificial stone

GILLMORE, Quincy Adams.

- Practical treatise on Coignet-béton and other artificial stone. 1871.r666.8 G41
Contents: Coignet-béton.—Ransome's silicious concrete stone.—The Frear artificial stone.—The American building block (Foster's and Van Derburgh's patents).—The Sorel artificial stone (Union stone company, Boston, Mass.).—Portland stone.
Report on Coignet-béton is no. 19 of the "Professional papers," Corps of engineers, United States army.
Describes methods of manufacture, gives results of tests of strength and estimates of cost.

666.9 Cements. Mortars

BROWN, Charles Carroll, *ed.*

- Directory of American cement industries and hand-book for cement users. 1902r666.9 B78d
Contents: Introduction.—Testing of cement.—Specifications for cement.—The uses of cement.—Specifications for the use of cement.—Data for estimates of cement work.—Cement laboratories.—Lime and plaster.—Freight rates on cement.—Descriptions of works and of processes for the manufacture of cement.—Directory of American cement industries.—Directory of cement manufacturers.—Directory of cement brands.—Directory of general sales agents.—Foreign cement trade.—Dealers in cement.—Contractors and large users of cement.—Engineers, architects and other supervisors of the use of cement.—Workers in cement.—Cement tests and analyses; List of laboratories making analyses and tests of cement and cement materials; Engineers who design cement plants.—Machinery and supplies for cement plants, machinery and tools for cement users.—Dealers in lime and plaster.—Manufacturers of lime.—Manufacturers of plaster.

BUTLER, David Butler.

- Portland cement; its manufacture, testing and use. 1899. .666.9 B97

CANDLOT, E.

- Ciments et chaux hydrauliques; fabrication, propriétés, emploi. 1898.r666.9 C17
"Index bibliographique," p. 449-450.
One of the best general treatises (1902).

ENGINEERING RECORD.

- Cement industry; descriptions of Portland and natural cement plants in the United States and Europe, with notes on materials and processes in Portland cement manufacture. 1900.666.9 E64
Selected reprint of articles from the "Engineering record."

FEICHTINGER, G.

- Die chemische technologie der mörtelmaterialien. 1885.
(Handbuch der chemischen technologie; hrsg. von P. A. Bolley und anderen.)r666.9 M53
Manufacture, properties, testing and uses of lime, gypsum, mortars, cements and artificial stone.
Bound with Mayer's "Chemische technologie des holzes als baumaterial."

JAMESON, Charles Davis.

Portland cement; its manufacture and use. 1898.....r666.9 J16

LESLEY, Robert W.

History of the Portland cement industry in the United States. 1900.....r666.9 L64

REDGRAVE, Gilbert Richard.

Calcareous cements; their nature and uses. 1895.....r666.9 R27

Concise accounts of the processes of manufacturing the various cements, including descriptions of the machinery used, methods of analysing and testing, mortar and concrete and their properties, and a short historical account of the cement industry.

ZWICK, Hermann.

Hydraulischer kalk und Portland-cement, nach rohmaterialien, physikalischen und chemischen eigenschaften, untersuchung, fabrikation und werthstellung; unter besonderer rücksicht auf den gegenwärtigen stand der cement-industrie. 1892. (Hartleben's chemisch-technische bibliothek.).....r666.9 Z94

Kalk und luftmörtel; auftreten und natur des kalksteines, das brennen desselben und seine anwendung zu luftmörtel. 1879. (Hartleben's chemisch-technische bibliothek.)r666.9 Z94k

Thorough practical discussion of methods, machinery, etc.

667 Bleaching. Dyeing. Cleaning

SOXHLET, V. H.

Die kunst des färbens und beizens von marmor, künstlichen steinen, von knochen, horn und elfenbein und das färben und imitiren von allen holzsorten. 1899. (Hartleben's chemisch-technische bibliothek.).....r667 S73

Practical manual of receipts and instructions.

JOCLÉT, Victor.

Die kunst- und feinwäscherei in ihrem ganzen umfange. 1895. (Hartleben's chemisch-technische bibliothek.)...r667.1 J33k

Vollständiges handbuch der bleichkunst; oder, Theoretische und praktische anleitung zum bleichen von baumwolle, flachs, hanf, wolle, seide, jute, chinagras und tussarseide. 1895. (Hartleben's chemisch-technische bibliothek.)r667.1 J33

Includes also methods for bleaching feathers, bristles, bones, ivory, wax, marble, paper, straw, shellac, etc.

BERGHOF, Albert.

Die organischen farbstoffe thierischen und pflanzlichen ursprunges und deren anwendung in der färberei und zeugdruckerei. 1902. (Hartleben's chemisch-technische bibliothek.)r667.2 B45

Methods of making and using, with description of their properties and effects.

BRAUNER, Alfred.

Die färberei à ressort, das färben der schmuckfedern und die bearbeitung der haare. 1887. (Hartleben's chemisch-technische bibliothek.).....r667.2 B7

BRAUNSDORF, W.

Das trocknen, bleichen, färben, bronziren und vergolden natürlicher blumen und gräser, sowie sonstiger pflanzen-theile, und ihre verwendung zu bouquets, kränzen und decorationen. 1888. (Hartleben's chemisch-technische bibliothek.).....r667.2 B716

FÄRBER-ZEITUNG; zeitschrift für färberei, zeugdruck und den gesamtten farbenverbrauch; [semimonthly]. v.1-date. 1890-date.....qr667.2 F22

HUMMEL, John James.

Dyeing of textile fabrics. 1898. (Manuals of technology.)..667.2 H92
Theoretical and practical. Describes the various fibers, their preparation for dyeing, the various classes of dyes and the methods and machinery employed in their application.

JOURNAL of the Society of dyers and colourists, and all interested in the use or manufacture of colours, and in calico printing, bleaching, etc.; monthly. v.1-date. 1885-dateqr667.2 J46

KNECHT, Edmund, and others.

Manual of dyeing; for the use of practical dyers, manufacturers, students, and all interested in the art of dyeing. 3v. 1893.....r667.2 K33
v.1-2. Text. v.3. Specimens of dyed fabrics.

LAU, Louis.

Praktischer unterricht in der heutigen putzfedernfärberei, lappenfärberei mit küpenführung und chemischer und nasswäscherei. 1890. (Hartleben's chemisch-technische bibliothek.)r667.2 L36
Brief manual on dyeing feathers and garments, and methods of cleaning, with receipts for preparing dyes.

PATERSON, David.

Science of colour mixing; a manual intended for the use of dyers, calico printers and colour chemists. 1900....667.2 P29
Treatise on the theory, for practical workers.

JOCLÉT, Victor.

Die chemische bearbeitung der schafwolle; oder, Das ganze der färberei von wolle und wollenen gespinnsten. 1877. (Hartleben's chemisch-technische bibliothek.)...r667.22 J33
Describes the colors used and the special methods employed for various classes of work.

LAU, Louis, & Hampe, Alwin.

Praktischer unterricht in der heutigen wollenfärberei, enthaltend wäscherei und carbonisirung, alizarin-, holz-, säure-, anilin- und waideküpen-färberei für lose wolle, garne und stücke. 1892. (Hartleben's chemisch-technische bibliothek.)r667.22 L36
Collection of receipts for various colors, with directions for their use.

HURST, George H.

Silk dyeing, printing and finishing. 1892. (Technological handbooks.)667.23 H95
Contains an appendix of receipts and patterns.
Describes the physical and chemical properties of the silks in use, including the "wild silks," the theory and methods of dyeing silk and mixed silk fabrics, the printing of silk, the machinery used in dyeing and finishing, and the methods of testing and assaying raw and dyed silks.

667.26 Artificial dyes**BERSCH, Josef.**

Die fabrikation der anilinfarbstoffe und aller anderen aus dem theere darstellbaren farbstoffe, (phenyl-, naphthalin-, anthracen- und resorcinfarbstoffe), und deren anwendung in der industrie. 1878. (Hartleben's chemisch-technische bibliothek.).....r667.26 B46
Statement in simple form of the chemistry, manufacture and uses of the coal-tar colors.

BOLLEY, Pompejus Alexander, and others.

Die theerfarbstoffe. 3v. 1867-97. (Handbuch der chemischen technologie; hrsg. von P. A. Bolley und anderen.)r667.26 B61
Valuable historically, owing to the long period covered in its preparation.

BRUNCK, H.

History of the development of the manufacture of indigo. 1900r667.26 B83
By the managing director of the Badische anilin- und sodafabrik, manufacturers of synthetic indigo.

FRIEDLAENDER, P.

Fortschritte der theerfarbenfabrikation und verwandter industriezweige, an der hand der systematisch geordneten und mit kritischen anmerkungen versehenen deutschen reichs-patente, 1877-1894. 3v. in 4. 1888-96qr667.26 F95
Classified collection of the patents, with critical notes and explanations. Numbers of corresponding English and United States patents are given for such processes as were protected in those countries.

HÖDL, E. J.

Die praktische anwendung der theerfarben in der industrie. 1885. (Hartleben's chemisch-technische bibliothek.)r667.26 H66

HURST, George H. comp.

Dictionary of the coal tar colors. 1896.....qr667.26 H95

JAUBERT, George F.

L'industrie des matières colorantes azoïques. [1899.] (Encyclopédie scientifique des aide-mémoire.)r667.26 J21

NIETZKI, Rudolf.

Chemistry of the organic dyestuffs; tr. fr. the German by A. Collin and W. Richardson. 1892.....667.26 N33

SCHULTZ, Gustav, & Julius, Paul.

Systematic survey of the organic colouring matters; tr. with additions by A. G. Green. 1894.....qr667.26 S38
Gives in tabular form the commercial and scientific names, formulae, method of preparation, year of discovery, patents, literature, behavior with reagents, dyeing properties, method of use, etc., for over 400 coloring matters.

The same. 1904.....qr667.26 S38s

667.27 Natural dyes**MIERZINSKI, Stanislaus.**

Die gerb- und farbstoff-extracte. 1887. (Hartleben's chemisch-technische bibliothek.).....r667.27 M67
Treats of their constitution, properties and methods of manufacture.

RUPE, Hans.

- Die chemie der natürlichen farbstoffe. 1900. (Handbuch der chemischen technologie; hrsg. von P. A. Bolley und anderen.)r667.27 R87
Summary of knowledge of the chemical composition, properties and reactions of the natural dyestuffs.

667.29 Mordants

WOLFF, H.

- Die beizen; ihre darstellung, prüfung und anwendung. 1885. (Hartleben's chemisch-technische bibliothek.)...r667.29 W83
Brief theoretical and practical discussion of their properties and uses.

667.3 Cotton-dyeing. Calico-printing

GROSSE, Eduard.

- Der gold- und farbendruck auf calico, leder, leinwand, papier, sammet, seide und andere stoffe. 1889. (Hartleben's chemisch-technische bibliothek.)r667.3 G93
Largely devoted to methods used in book ornamentation. Gives practical methods and discusses theory of design, etc.

HERZINGER, Eduard.

- Die walkecht-färberei der ungesponnenen baumwolle. 1894. (Hartleben's chemisch-technische bibliothek.)r667.3 H48
Collection of receipts for various colors.

ROMEN, Carl.

- Die colorie der baumwolle auf garne und gewebe, mit besonderer berücksichtigung der türkischroth-färberei. 1878. (Hartleben's chemisch-technische bibliothek.)...r667.3 R66
Describes properties of the various dyes and the practical methods of using them.

ROTHWELL, Charles Frederick Seymour.

- Printing of textile fabrics; a manual on the printing of cotton, woolen, silk and half-silk fabrics. 1897.....667.3 R76
Confined to practical description of machinery and processes, omitting theory.

SOXHLET, V. H.

- Die praxis der anilin-färberei und -druckerei auf baumwoll-waaren. 1890. (Hartleben's chemisch-technische bibliothek.)r667.3 S73
Confined to discussion of the use of aniline colors. Omits theory.

WHARTON, B. F. & Soxhlet, V. H.

- Die kattun-druckerei. 1892. (Hartleben's chemisch-technische bibliothek.)r667.3 W59
Brief practical manual covering the preparation of the material, colors used, methods, etc.

667.4-667.5 Inks

LEHNER, Sigmund.

- Manufacture of ink; tr. fr. the German, with additions by W. T. Brannt. 1892r667.4 L55m
Contents: Introduction.—The various kinds of ink.—Writing inks.—The raw materials used in the preparation of inks containing tannin.—Chemical constitution of inks containing tannin.—Directions for the preparation of inks containing tannin.—Logwood and tannin inks.—Ferric oxide inks.—Alizarin inks.—Inks from extractive matter.—

Logwood inks.—Copying ink.—The hektograph and hektograph inks.—Safety inks.—Ink extracts and ink powders.—Preserving agents for ink.—Change in the color of ink in old documents and methods of making faded writing legible.—Colored inks.—Metallic inks.—Solid inks (India or Chinese ink).—Lithographic inks and crayons.—Printing ink.—Ink pencils or aniline pencils.—Marking inks.—Ink specialties.—Sympathetic inks.—Stamp and stencil inks.—Wash-blue or laundry-blue.

Die tinten-fabrikation und die herstellung der hektographen und hektographirtinten; die fabrikation der tusche, der tintenstifte, der stempeldruckfarben, sowie des waschblaus. 1899. (Hartleben's chemisch-technische bibliothek.).....r667.4 L55
Receipts and directions for the manufacture of a large variety of inks.

ANDÉS, Louis Edgar.

Oel- und buchdruckfarben; praktisches handbuch für firniss- und farbenfabrikanten. 1889. (Hartleben's chemisch-technische bibliothek.).....r667.5 A55
Treats chiefly of the manufacture and assaying of linseed-oil varnishes, colors and printers' inks, describing in detail the processes, materials used, etc.

667.6 Paints. Pigments

ANDÉS, Louis Edgar.

Der eisenrost; seine bildung, gefahren und verlütung unter besonderer berücksichtigung der verwendung des eisens als bau- und constructionsmaterial. 1898. (Hartleben's chemisch-technische bibliothek.).....r667.6 A55
Treats of various anti-fouling and anti-corrosive paints, their preparation, testing and applicability as preservatives of iron and steel structures.

Iron corrosion, anti-fouling and anti-corrosive paints.

1900667.6 A55
Discusses at length the different varnishes and paints, their preparation, testing and applicability.

BERSCH, Josef.

Die fabrikation der erdfarben. 1893. (Hartleben's chemisch-technische bibliothek.).....r667.6 B46

Die fabrikation der mineral- und lackfarben. 1893. (Hartleben's chemisch-technische bibliothek.).....r667.6 B46f
Practical directions for their manufacture, methods of analysis and testing, etc.

Manufacture of mineral and lake pigments; a text-book for manufacturers, merchants, artists and painters; tr. by A. C. Wright. 1901.....r667.6 B46m
Practical directions for their manufacture, methods of analysis and testing, etc.

FRIEDBERG, Wilhelm.

Die fabrikation der knochenkohle und des thieröles. 1877. (Hartleben's chemisch-technische bibliothek.)...r667.6 F94
Brief manual of their manufacture and properties, and of methods of testing.

FÜRSTENAU, Carl.

Das ultramarin und seine bereitung. 1880. (Hartleben's chemisch-technische bibliothek.).....r667.6 F99
Brief practical manual on its manufacture, use, testing, etc.

HURST, George H. comp.

Dictionary of chemicals and raw products used in the

VARNISHES. POLISHES. LACQUERS

1069

- manufacture of paints, colours, varnishes and allied preparations. 1901.....r667.6 H95
Brief statements of chemical and physical properties, methods of manufacture, tests for purity, uses, etc.
Painters' colours, oils and varnishes; a practical manual.
1892667.6 H95
JENNISON, Francis H.
Manufacture of lake pigments from artificial colours.
1900667.6 J26
Useful theoretical and practical treatise. Pays particular attention to the chemistry of the subject.
LOWE, Houston.
Hints on painting structural steel, and notes on prominent paint materials. 1900.....667.6 L95
Monograph on the various causes of failure of the oils and pigments used for painting steel, and on the right and wrong ways of using them. Written in very plain, untechnical language.
MIERZINSKI, Stanislaus.
Handbuch der farben-fabrikation; praxis und theorie. 2v.
1898. (Hartleben's chemisch-technische bibliothek.)...r667.6 M67
RENTZSCH, Otto.
Das gesamtgebiet der vergolderei nach den neuesten fortschritten und verbesserungen. 1890. (Hartleben's chemisch-technische bibliothek.).....r667.6 R34
SMITH, J. Cruickshank.
Manufacture of paint; a practical handbook for paint manufacturers, merchants and painters. 1901.....667.6 S65
Describes methods of grinding the various pigments, machinery used, etc.

667.7 Varnishes. Polishes. Lacquers

- ANDÉS, Louis Edgar.
Die fabrikation der copal-, terpentinöl- und spiritus-lacke.
1895. (Hartleben's chemisch-technische bibliothek.)...r667.7 A55
Die fabrikation der siegel- und flaschenlacke; mit einem anhang, Die fabrikation des brauer-, wachs-, schu-
macher- und büstenpeches. 1885. (Hartleben's chemisch-technische bibliothek.).....r667.7 A55f
Practical manual describing raw materials and methods of manufacture, and giving numerous formulæ
Die fabrikation der stiefelwichse und der leder-conser-
virungsmittel. 1893. (Hartleben's chemisch-technische bibliothek.)r667.7 A55s
Methods of testing raw materials, and receipts for preparation of various blackings, polishes, greases, etc.
ANDREIS, Erwin.
Die fabrikation der lacke, firnisse, buchdrucker-firnisse und des siegellackes. 1891. (Hartleben's chemisch-technische bibliothek.).....r667.7 A56
Describes raw materials and their properties, methods of manufacture, machinery used, etc.
BRANNT, William Theodore.
Varnishes, lacquers, printing inks and sealing-waxes; their raw materials and their manufacture. 1893.....667.7 B71
Handbook of methods and receipts.

BROWN, William Norman.

Principles and practice of dipping, burnishing, lacquering
and bronzing brass ware. 1900.....667.7 B79
Elementary manual for beginners.

LIVACHE, Achille.

Manufacture of varnishes, oil crushing, refining and boil-
ing, and kindred industries; tr. and extended and adapted
to English practice, with original recipes by J. G. Mc-
Intosh. 1899.....667.7 L74
Describes the sources and character of the raw materials, methods of
manufacture and testing, etc. Chief value is in section on raw ma-
terials, as the practical methods are not recent (1903), and the chemi-
cal statements are often erroneous.

STANDAGE, H. C. *comp.*

Practical polish and varnish maker; containing 750 prac-
tical receipts and formulæ. 1892.....667.7 S78

WAHLBURG, Victor.

Die schleif-, polir- und putzmittel für metalle aller art,
glas, holz, edelsteine, horn, schildpatt, perlmutter,
steine, u. s. w. 1898. (Hartleben's chemisch-technische
bibliothek.)r667.7 W13

668.1 Soap

BRANNT, William Theodore, *ed.*

Practical treatise on the manufacture of soap and candles.
1888668.1 B71
Chiefly a compilation from standard German works. Contains a list of
United States patents relating to these manufactures, issued from 1790
to 1888.

CAMERON, James, *ed.*

Soaps and candles. 1896.....668.1 C15
Bibliography, p.11.
Brief manual, for students, describing their manufacture. Contains a
chapter on soap analysis.

DEITE, Carl.

Die darstellung der seifen, parfümerien und cosmetica.
' 1867. (Handbuch der chemischen technologie; hrsg.
von P. A. Bolley und anderen.).....r668.1 D38
Bibliography, p.154-156.
Chiefly composed of receipts and instructions for use.

ENGELHARDT, Alwin.

Handbuch der praktischen seifen-fabrikation. 2v. 1896.
(Hartleben's chemisch-technische bibliothek.).....r668.1 E63h
Handbuch der praktischen toilette-seifen-fabrikation; prak-
tische anleitung zur darstellung aller sorten von deut-
schen, englischen und französischen toilette-seifen,
sowie der medicinischen seifen, glycerinseifen und der
seifenspecialitäten. 1888. (Hartleben's chemisch-technische
bibliothek.).....r668.1 E63
Gives special attention to the mechanical equipment of factories.

GADD, W. Lawrence.

Soap manufacture; a treatise on the fabrication of hard
and soft soaps, and analytical methods for the de-
termination of their chemical composition. 1893. (Tech-

- nological handbooks.).....668.1 G12
Brief treatise on theory and practice, intended primarily for students.
- GATHMANN, Henry.
American soaps; a complete treatise on the manufacture of soap, with special reference to American conditions and practice. 1893.....q668.1 G23
Processes, machinery, etc. are described in a clear, practical manner.
- HURST, George H.
Soaps; a practical manual of the manufacture of domestic, toilet and other soaps. 1898.....668.1 H95
"Author...has aimed at presenting...the principal processes...with an account of the raw materials used and the scientific principles which underlie the various operations." *Preface.*
- WILTNER, Friedrich.
Die fabrikation der toilette-seifen. 1884. (Hartleben's chemisch-technische bibliothek.).....r668.1 W77f
Describes machinery and processes, and gives many receipts.
Die seifen-fabrikation. 1900. (Hartleben's chemisch-technische bibliothek.).....r668.1 W77
Brief practical treatise, describing machinery and methods. Includes chapters on medicinal and toilet soaps, specialties and soap analysis.

668.2 Glycerin. 668.3 Glue

- KOPPE, Siegfried Walter.
Das glycerin; seine darstellung, seine verbindungen und anwendung in den gewerben, in der seifenfabrikation, parfumerie und der sprengtechnik. 1883. (Hartleben's chemisch-technische bibliothek.).....r668.2 K38
Manufacture, analysis and properties of glycerin, manufacture of nitro-glycerin and dynamite, and use of glycerin in various manufactures are briefly treated. Chapters are given on the determination of glycerin and nitro-glycerin.
- RIDEAL, Samuel.
Glue and glue testing. 1900.....668.3 R43
Practical treatise on the manufacture and uses of glue and gelatin, and the methods of testing them.
- STANDAGE, H. C. *comp.*
Cements, pastes, glues and gums. 1893.....b668.3 S78
Receipts for their manufacture and methods of application.

668.4 Gums. Resins

- ANDÉS, Louis Edgar.
Gummi arabicum und dessen surrogate in festem und flüssigem zustande. 1896. (Hartleben's chemisch-technische bibliothek.).....r668.4 A55
Practical manual of the manufacture of gums, mucilages, pastes, etc.
- DAWIDOWSKY, F.
Die leim- und gelatine-fabrikation. 1893. (Hartleben's chemisch-technische bibliothek.).....r668.4 D32
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- LEHNER, Sigmund.
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Results of trials made at different Pennsylvania blast-furnaces, (1820-1841).

KEEP, William John.

Cast iron; a record of original research. 1902.669.12 K15

Results of numerous investigations of the effect of various elements on the physical properties of cast-iron, with detailed descriptions of the author's apparatus and methods. Of particular interest to the foundryman.

NEEDHAM, M.

Manufacture of iron; reprinted from the Library of useful knowledge, published under the direction of the Society for the diffusion of useful knowledge. 1837.r669.12 N19

TRURAN, William.

Iron manufacture of Great Britain. 1862.qr669.12 T78

TURNER, Thomas.

Metallurgy of iron and steel. v.1. 1895.669.12 T86

v.1. Metallurgy of iron.

The same. v.1. 1895.r669.12 T86

Assumes a general knowledge of iron-making, and attempts, by extreme condensation and copious bibliographical references, to produce a work standing between an exhaustive treatise and an elementary text-book.

Volume 2 was never written. Its place is taken by Harbord's "Metallurgy of steel."

WEST, Thomas Dyson.

Metallurgy of cast iron; a complete exposition of the processes involved in its treatment, chemically and physically, from the blast furnace through the foundry to the testing machine. 1902.669.12 W56

Devotes much more space to foundry practice than to that of the blast-furnace. Author is a practical foundryman. Written in a practical style, and is devoid of theory.

669.16 Steel

- ANDREWS, Thomas, b. 1847.
Microscopic internal flaws inducing fracture in steel.
1896669.16 A57
Reprinted from "Engineering," July 10, 17 and 24, 1896.
Study of their causes and the means of prevention.
- BARNES, Phinehas.
Present technical condition of the steel industry of the
United States. 1885. (United States—Geological survey. Bulletin, no.25.)669.16 B25
The same. 1885. (In United States—Geological survey. Bulletin, v.4, no.25.)r557.3 U25b v.4
Good brief survey of conditions and practice at that time.
- FITCH, Thomas W. *comp.*
Bessemer steel; ores and methods. 1882.r669.16 F55
Outlines methods of manufacture, cost, etc. in various countries, describing important works.
- GRUNER, Louis Emmanuel.
Manufacture of steel; with an appendix on the Bessemer process in the United States. 1872.669.16 G94
Good general survey of processes used in the middle of the 19th century, by a well-known French metallurgist.
- HALL, Joseph.
The iron question considered in connection with theory, practice and experience, with special reference to the Bessemer process. 1857.r669.16 H17
- HOWE, Henry Marion.
Metallurgy of steel. v.1. 1890.qr669.16 H85
The same. v.1. 1895.q669.16 H85
The same. v.1. 1890.q669.16 H85m
Exhaustive critical discussion of steel-making.
- JEANS, James Stephen.
Steel; its history, manufacture, properties and uses. 1880. .669.16 J22
The same. 1880.r669.16 J22
Describes thoroughly the development of the steel industry to 1880, giving notes on many processes used and proposed.
- LANDRIN, Henri C.
Treatise on steel; its theory, metallurgy, practical working and use; with an appendix on the Bessemer and Martin processes for manufacturing steel, from the report of A. S. Hewitt. 1868.r669.16 L22
- MÜLLER, Friedrich C. G.
Krupp's steel works. 1898.qr669.16 M95
Popular description of these famous works, well illustrated and interestingly written.
- RÉAUMUR, René Antoine Ferchault de.
L'art de convertir le fer forgé en acier, et l'art d'adoucir le fer fondu. 1722.qr669.16 R25
- ROTT, Carl.
Die Klein-Bessemerie für den stahlformguss, temperguss und feinguss. 1900.r669.16 R76
Sonder-abdruck aus "Uhland's technische rundschau, ausgabe für metall-industrie, bergbau und hüttenwesen."
Treats of the construction and uses of Bessemer converters for charges of about 1500 lbs. Gives plans, cost of installation and operation, etc.

UNITED STATES—Navigation bureau. (Navy department.)

- Papers and discussions on experiments with steel, reprinted from various sources. 1883. (Naval professional papers, no.14.).....r669.16 U25
Contents: Experiments on steel.—On the corrosive effects of steel on iron in salt water.—On the relative corrosion of iron and steel.—On the economical advantages of steel shipbuilding.—On cracks and annealing of steel.—On the quality of material used in shipbuilding.

WEDDING, Hermann.

Basic Bessemer process; tr. fr. the German by W. B.

Phillips and Ernst Prochaska. 1891.....r669.16 W41

Contains a supplementary chapter on dephosphorization in the basic open-hearth furnace, by Ernst Prochaska.

Full, reliable description by a famous German metallurgist. Well illustrated with drawings from actual practice.

WIBORGH, Johan Gustaf.

Use of hot-blast in the Bessemer process. 1899.....669.8 H39

Reprinted from the "Journal of the Iron and steel institute," May 1899.

Bound with other pamphlets.

669.17 Working. Annealing. Tempering

EDE, George.

Management of steel. 1891.....669.17 E26

The same. 1874.....r669.17 E26

Deals in a practical manner with its manufacture, selection for tools, forging, annealing, hardening, tempering, etc.

METCALF, William.

Steel; a manual for steel-users. 1896.....669.17 M64

Treats of the properties of steel, effect of impurities, theory and methods of hardening, tempering, annealing, etc. Pays especial attention to crucible steel.

MILLER, METCALF & PARKIN.

Treatment of steel; a series of circulars on heating, annealing, forging and tempering, issued by the Crescent steel works, and a chapter on hardening and tempering of steel, by Geo. Ede. 1884.....669.17 M69

Practical directions for workmen.

REISER, Fridolin.

Das härten des stahles in theorie und praxis. 1900.....r669.17 R32

Concise, yet thorough, treatment, paying especial attention to the practical application of the theory of hardening.

STROMEYER, Johann Philip Edmund Charles.

Injurious effect of a blue heat on steel and iron. 1887.

(United States—Navigation bureau. (Navy department.)

Naval professional papers, no.21.).....r669.17 S92

Reprinted from the "Proceedings of the Institution of civil engineers, London."

669.18 Roll-turning

DAELEN, R. and others.

Die kalibrirung der eisenwalzen; drei gekrönte preisschriften eingereicht dem Verein zur beförderung des gewerbflusses in Preussen, von R. Daelen, A. Hollenberg und Diekmann. 1874.....qr669.18 D13

Three monographs upon the theory and practice of roll-turning for various shapes, describing in detail the methods of calculating the form of the roll for specified sections.

SPENCER, Adam.

Roll-turning for sections in steel and iron, with appendix.

2v. 1894.....qr669.18 S74

Series of drawings to scale, giving examples of rolls for the different kinds of work which have proved satisfactory in use. All theoretical discussion is omitted.

TUNNER, Peter.

Treatise on roll-turning for the manufacture of iron, with

atlas. 2v. 1869.....qr669.18 T84

v.1. Text. v.2. Plates.

669.2 Gold and silver

ADAMS, William James.

Hints on amalgamation and the general care of gold mills.

1899.....669.2 A21

"Results of the observations I have made...demonstrated as correct by application to several very difficult ores." *Author.*

BOSQUI, Francis Lawrence.

Practical notes on the cyanide process. 1899.....669.2 B64

DEL MAR, Alexander.

History of the precious metals from the earliest times to

the present. 1902.....669.2 D41

Bibliography, p.11 22.

Deals with the exploration of the world for gold and silver from the earliest times to the beginning of the 20th century. Maintains that the desire for these metals has been the principal motive leading to the dominion of the world by civilized races. Exhaustive, valuable and very readable work.

EGLESTON, Thomas.

Metallurgy of silver, gold and mercury in the United

States. 2v. 1887-90.....q669.2 E36

v.1. Silver. v.2. Gold and mercury.

The same. 2v. 1887-90.....qr669.2 E36

Treats the subject quite exhaustively but is hardly up-to-date, and can scarcely be accepted as representing the best American practice, even at the date of publication.

EISSLER, Manuel.

Cyanide process for the extraction of gold; its practical application on the Witwatersrand gold-fields and else-

where. 1898.....669.2 E42c

Describes process and gives details of a few South African plants. Information given is rather incomplete.

Metallurgy of gold; a treatise on the metallurgical treatment of gold-bearing ores; including the processes of concentration, chlorination, and extraction by cyanide,

and the assaying, melting and refining of gold. 1896...669.2 E42

While containing much of value, is to be used cautiously, as the author's information is at times inaccurate.

Metallurgy of silver; a treatise on the amalgamation, roasting and lixiviation of silver ores; including the assaying,

melting and refining of silver bullion. 1898.....669.2 E42m

LOCK, Charles G. Warnford.

Gold milling principles and practice. 1901.....669.2 L75

Comprehensive practical manual of the operations necessary in the extraction of gold from its ores. Contains descriptions of the chief processes now in use (1901).

LOUIS, Henry.

Handbook of gold milling. 1894.....669.2 L92

Author summarizes his work as commencing with "an account of the physical and chemical properties of gold and of mercury. Stamp mill construction is considered in detail, the mechanical principles underlying the design of each part being throughout elucidated. The theory and practice of concentration, as far as it refers to gold milling, is next considered, together with the most approved modern methods of treating the concentrates and the other products of milling. A chapter on the economic considerations involved, and one on the assaying of gold ores and mill products are also appended."

O'DRISCOLL, Florence.

Notes on the treatment of gold ores. 1889.....r669.2 O14

Outline of methods for those having no knowledge of the subject.

PARK, James.

Cyanide process of gold extraction. 1897.....669.2 P23

Die cyankalium-laugung von golderzen ("Cyanide process of gold extraction"); frei bearbeitet, vermehrt und eingeleitet von Ernst Victor. 1902. (Hartleben's chemisch-technische bibliothek.).....r669.2 P23

Concise exposition of the practice and theory of the cyanide process. Illustrated.

PERCY, John.

Metallurgy; silver and gold. pt.1. 1880.....r669.2 P42

No more published.

Treats only of silver. Gives a clear, accurate review of the subject as developed previous to 1880. Describes the chemical properties, methods of assaying and smelting, etc.

PHILLIPS, John Arthur.

Mining and metallurgy of gold and silver. 1867.....qr669.2 P46

Describes the various producing districts of the world, with statistics as to their yield and importance, and the methods of extraction, refining, etc. in use at the time of publication.

ROSE, Thomas Kirke.

Metallurgy of gold. 1898.....669.2 R71

Bibliography, p.503-514.

The same. 1898.....r669.2 R71

Concise review of methods of treating ores, recovery of gold, refining, assay of ores and bullion, etc. Deals with principles of procedure rather than mechanical details. Especially good for the chemistry of processes.

WILSON, Eugene Benjamin.

Chlorination process. 1897669.2 W76

Cyanide processes. 1897669.2 W76c

The same. 1896r669.2 W76c

"Authorities," p.111-112.

Chiefly a compilation from the periodical and patent office literature. Gives the theory, and points out the factors which have a special bearing in successful operation, but does not go into details of the mechanical arrangements necessary.

669.3 Copper

JAPING, Eduard.

Kupfer und messing, sowie alle technisch wichtigen kupferlegierungen, ihre darstellungsmethoden, eigenschaften und weiterverarbeitung zu handelswaaren. 1883. (Hartleben's chemisch-technische bibliothek.).....r669.3 J18

Copper-reducing and refining, casting in copper and its alloys, forging, rolling and drawing are included.

LAMBORN, Robert H.

- Metallurgy of copper; an introduction to the methods of seeking, mining and assaying copper, and manufacturing its alloys. 1869.....669.3 L18
 "Authorities," p.6.
 Rudimentary treatise for students and artisans.

PETERS, Edward Dyer.

- Modern copper smelting. 1901.....669.3 P45
The same. 1895r669.3 P45
 The standard American work on the subject, (1901).

669.4 Lead

COLLINS, Henry Francis.

- Metallurgy of lead and silver; ed. by Sir W. C. Roberts-Austen. 2v. 1899-1900.....669.4 C71
 v.1. Lead. v.2. Silver.
The same. 2v. 1900r669.4 C71
 Thorough, modern and fairly complete. Author has had large practical experience in mining and metallurgical work.

IESSLER, Manuel.

- Metallurgy of argentiferous lead; a practical treatise on the smelting of silver-lead ores and the refining of lead bullion; reports on various smelting establishments and descriptions of modern smelting furnaces and plants in Europe and America. 1891.....669.4 E42
 Chiefly devoted to blast-furnace practice, especially as developed in the United States.

HOFMAN, Henry O.

- Metallurgy of lead and the desilverization of base bullion. 1893r669.4 H68

PERCY, John.

- Metallurgy of lead, including desilverization and cupellation. 1870.....r669.4 P42
 Very complete résumé up to the time of publication. A standard reference work, although antiquated in accounts of practice.

669.7 Aluminium

ALUMINUM world; monthly, Oct. 1894-Dec. 1902. 8v.

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 Incorporated with "Metal industry," Jan. 1903.

BLAKE, William Phipps.

- Note on the use of aluminum in the construction of instruments of precision. 1890.....r669.7 H93
 Reprinted from the "Transactions of the American institute of mining engineers," v.18, Feb. 1890.
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COWLES, Eugene H.

- Aluminum bronze and brass as suitable materials for propellers. 1890.....r669.7 H93
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 Physical properties of some of the alloys of manganese, copper

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- HUNT, Alfred Ephraim.
 Manufacture of aluminium by electrolysis at Niagara, with an abstract of the discussion upon the paper; ed. by James Forrest. 1896.....665.4 B83
 Reprinted from the "Minutes of proceedings of the Institution of civil engineers," v.124.
 Description of the process and plant of the Pittsburgh reduction company, by its president (1896).
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- Properties, uses and processes of production of aluminum.
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 Chemical analysis of aluminum. 1892.....r669.7 H93
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- MIERZINSKI, Stanislaus.
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- PITTSBURGH REDUCTION CO.
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 Most complete and authoritative work yet written. Author is (1901) assistant professor of metallurgy at Lehigh university.
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 Aluminum in search of a nickname. 1890.....r669.7 H93
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669.8 Fuels. Furnaces

DISDIER, Enriquer.

Use of blast-furnace and coke-oven gases. 1899.....669.8 H39

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FISCHER, Ferdinand.

Feuerungsanlagen für häusliche und gewerbliche zwecke.

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HEAD, Archibald Potter.

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Detailed report on a series of tests of the chemical reactions and heat
 distribution in gas-producers and open-hearth furnaces. Conclusions
 are drawn as to the relative efficiency of concave and convex roofs
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LEDEBUR, A.

Die gasfeuerungen für metallurgische zwecke. 1891.....669.8 L51

PERCY, John.

Metallurgy; refractory materials and fuel. 1875.....r669.8 P42

STEGMANN, H.

Gasfeuerung und gasöfen; eine darstellung ihres wesens

und ihrer beziehungen zu den pyrotechnischen pro-
 cessen der thonwaaren-industrie, der kalk- und glas-
 fabrikation, sowie verwandter industrien. 1881.....r669.8 S57

Concise and well illustrated. Good account of the theory and of practice
 at the time of publication. Treats especially of furnaces used in the
 ceramic industries.

669.9 Alloys

BRANNT, William Theodore.

Metallic alloys; a practical guide for the manufacture of

alloys, amalgams and solders. 1896.....669.9 B71

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Brassfounders' alloys; a handbook containing tables, notes

and data, for the guidance of manufacturers and trades-

men. 1901.....669.9 B84

Directions for the use of various metals in making foundry alloys.

Tables give many practical mixtures.

HIORNS, Arthur Horseman.

Mixed metals; or Metallic alloys. 1891.....669.9 H58

The same. 1890.....r669.9 H58

Treats of the various commercial alloys, methods of manufacturing them,
 their chemical and physical properties and their uses.

KRUPP, Alfred.

Die legirungen. 1894. (Hartleben's chemisch-technische

- bibliothek.)
 Formulae for a large number of useful all
 properties and uses, and practical directions
LEDEBUR, A.
 Die legierungen in ihrer anwendung für
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670 Manufacture

- CHASE, Annie, & Clow, E.**
 Stories of industry. 2v. 1891.....
 v.1. About coal, petroleum, mining and mar-
 tin and iron, sewing-machines, ship-building,
 v.2. About cotton-spinning, calico-printing, c-
 eries, printing, the manufacture of hats, l-
 candy, paper, etc.
AMERICAN trade index; descriptive and c-
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ANNUAIRE-ALMANACH du commerce, d-
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GOLDEY, James H. ed.
 Reference book containing a list of bu-
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UNITED STATES industrial directory. 1897
WRIGHT, George, pub.
 Australian, India, China and Japan trade
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The same. 1899.....
BISHOP, James Leander.
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671 Articles made of metals

- BLINN, Leroy J.
 Practical work-shop companion for tin, sheet-iron and copper-plate workers. 1893.....671 B55
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 Das verzinnen, verzinken, vernickeln, verstählen, und das ueberziehen von metallen mit anderen metallen überhaupt. 1899. (Hartleben's chemisch-technische biblithothek.)r671 H32
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- HIORNS, Arthur Horseman.
 Metal-colouring and bronzing. 1892.....671 H58
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 Formulæ for coloring metals by chemical, electrochemical and mechanical means. Directions and the results of personal tests are given.
- LARKIN, James.
 Practical brass and iron founder's guide; a treatise on brass founding, moulding, the metals and their alloys, etc. 1899.....671 L32
 Receipt-book, containing short practical directions for various processes of molding, casting, etc. Out of date in many places (1899).
- LETHABY, William Richard.
 Leadwork, old and ornamental, and for the most part, English. 1893.....671 L65
 "Lead work has been an important branch of decorative architecture. American roof-fittings in tin and copper give no idea of the truly ornamental uses to which lead has been applied in Europe for seven centuries. Some attempt is being made in these days to revive the ancient art, and upon this, and upon the ancient practice, this is an excellent essay." *Russell Sturgis.*
- MILLIS, Charles Thomas.
 Metal-plate work; its patterns and their geometry; also notes on metals, and rules in mensuration, for the use of tin, iron and zinc plate workers, coppersmiths, boiler-makers, plumbers and others. 1899.....671 M69
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 Manual of instruction in hard soldering, with a chapter on soft soldering. 1895.....671 R79
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 Sheet metal worker's instructor, containing geometrical problems, also practical rules for describing various patterns. 1895.....671 W23
- AMERICAN metal market; weekly, Aug.-Dec. 1890, July 1891-Dec. 1892, Jan.-June 1894, 1896. v.15, 17-19, 22, 26-27. 1890-96.....qr671.05 A51
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MARKS, Edward Charles Robert.

Manufacture of iron and steel tubes. 1897.....r671.

"Of interest especially on account of bicycles. Compiled almost entirely from patent specifications, the treatment is, in consequence, somewhat superficial. As a record of the general features of the invention, it is an interesting and valuable little book." *Engineer*, 1897.

ANDÉS, Louis Edgar.

Blattmetalle, bronzen und metallpapiere; deren herstellung und anwendung. 1902. (Hartleben's chemisch-technische bibliothek.).....r671.
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JAPING, Eduard.

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Gold, silber und edelsteine; handbuch für gold-, silber-, bronze-arbeiter und juwelieri. 1895. (Hartleben's chemisch-technische bibliothek.).....r671.3

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Ironwork. 2v. 1893-96. (South Kensington museum art handbooks.) 672

v.1. From the earliest times to the end of the mediæval period.

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History of artistic iron-working. Contains many illustrations.

IRON.

Price lists of manufactured goods and hardware from Birmingham and district, selected and reprinted from "Iron," the journal of science, metals and manufactures.

v.1. 1876.....qr672]

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Die darstellung des eisens und der eisenfabrikate. 1881. (Hartleben's chemisch-technische bibliothek.).....r672
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Popular description of methods of obtaining iron, casting, rolling bars and sheets, wire-drawing, tube-making, plating and working hot and cold. Especially for iron merchants and consumers.

French and English equivalents of the technical terms used are given.

Der praktische eisen- und eisenwaarenkenner. 1882. (Hartleben's chemisch-technische bibliothek.).....r672

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Statistics, prices, properties, forms, etc. of rods, sheets, wire, tubes, castings, tools and other commercial forms of iron and steel. For iron merchants and consumers.

MORGAN, Charles H.

Some landmarks in the history of the rolling mill; presidential address delivered before the American society of mechanical engineers, New York meeting, December 1900. 1900.....q672
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Weights of flat, square and round bar-iron, of steel angles and tees, rivets, bolts, sheets, etc.

672.1 Tin-plate. Galvanized iron

AYER, Ira.

Special report to the secretary of the treasury, showing the production of tin and terne plates in the United States during the year ended June 30, 1892. 1892.....r672.1 A97
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DAVIES, James, *of London.*

Galvanized iron; its manufacture and uses; a detailed description of this important industry and its manufacturing process. 1899.....672.1 D31
Advice on the organization of works, cultivation of markets and other commercial matters, intended for those starting in the manufacture. Description of technical processes is disjointed and only outlines the manufacture.

FLANDERS, W. T.

Galvanizing and tinning; a practical treatise on coating with tin and zinc, with a chapter on tinning gray iron castings. 1900.....672.1 F61
Treats only of methods for cast-iron, and small articles of wrought-iron and steel.

FLOWER, Philip William.

History of the trade in tin; a short description of tin mining and metallurgy, a history of the origin and process of the tin-plate trade, and a description of the ancient and modern processes of manufacturing tin-plates. 1880r672.1 F66

WEEKS, Joseph Dame.

Tin and tin plate; their history, production and statistics. 1892qr672.1 W42
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Raw materials for wire-making, methods of rolling and drawing, classification and properties, wire rope, cables, wire for electrical uses, insulated wire, wire nails, screws, needles, etc.

SMITH, J. Bucknall.

Treatise upon wire; its manufacture and uses. 1891.....q672.3 S65
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VOIGT, Otto.

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Interesting, non-technical description, intended for general reading.

CROSS, Charles Frederick, & Bevan, E. J.

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 Complete treatise, describing raw materials, machinery and methods.
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MUNSELL, Joel.

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Design in textile fabrics. 1899. (Manuals of technology.) . . .677 A82
 Brief manual of the principles, including a discussion of the proper structure of the fabric and its suitability for the intended use.

BEAUMONT, Roberts.

Colour in woven design. 1890. (Specialists' series.)677 B35
 Explains the theory of coloring woven fabrics, and illustrates its practical application in producing fancy shades.

BOTTLE, Max.

Die animalischen faserstoffe; ein hilfs- und handbuch für die praxis, umfassend vorkommen, gewinnung, eigenschaften und technische verwendung, sowie bleichen und färben thierischer faserstoffe. 1902. (Hartleben's chemisch-technische bibliothek.)r677 B64a
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Materials and methods employed for linen, cotton, silk and woolen fabrics, also methods for incombustible and waterproof finishing.
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Textile fabrics. 1876. (South Kensington museum art handbooks.)677 R57
Popular account of their history, illustrated with numerous woodcuts of fine examples of artistic weaving. Intended as an introduction to the study of textiles.
- SEEMANN, Theodor.
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- NASMITH, Joseph.
Student's cotton spinning. 1896.....677.1 N14
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- TAYLOR, John T.
Cotton weaving and designing. 1898.....677.1 T25
Text-book dealing with mechanical details.
- WHITE, George Savage.
Memoir of Samuel Slater, the father of American manufactures; connected with a history of the rise and progress of the cotton manufacture in England and America, with remarks on the moral influence of manufac-

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679.1 Rattan and straw

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Praktische handbuch für korbflechter. 18
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Die verarbeitung des strohes zu geflecht-
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AMATEUR work, illustrated. 10v. 1882-91.

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CASSAL, Hans J. S.

Workshop makeshifts. 1898.

Contents: Lathes and lathe appliances.—The hor
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Miscellaneous tools and recipes.

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work, etc.

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Boy engineers; what they did and how the
True story of two boys who became engineers;
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kinds of tools. 1894.

Also directions for use of lathe, construction of
ical models and metal-working.

SCHOFIELD, Robert James, and others.

Home mechanic and complete self-instruct
painting, horse-shoeing, soap making,
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WAITE, Henry Randall, *ed.*

Boy's workshop. 1884.....j68o W14

Outlines in a very practical way the care and use of tools and the making of useful articles.

Contains among other things: "How to make a tool cabinet," "How to build a portable wooden tent," "A boy's railway and train," "How to bind magazines," "How to photograph," "Archery for boys."

681 Watch and instrument making

BRITTEN, Frederick James.

Old clocks and watches and their makers; an historical and descriptive account of the different styles of clocks and watches of the past, in England and abroad; to which is added a list of eight thousand makers. 1899...681 B750
Interesting, readable and well illustrated.

On the springing and adjusting of watches. 1898.....681 B75

"Intended for those tolerably conversant with watchmaking generally... Knowledge of many elementary facts is assumed." *Preface.*

Watch and clock makers' handbook, dictionary and guide.

1896r681 B75

Combination of dictionary, encyclopedia and handbook. Written in a clear style and well illustrated.

KEMLO, F.

Watch-repairer's hand-book; a complete guide to the beginner in taking apart, putting together and thoroughly cleaning the English lever and other foreign watches, and all American watches. 1891.....681 K17
Directions are scarcely full enough to warrant title.

SAUNIER, Claudius.

Treatise on modern horology. 1887.....qr681 S25
Standard treatise on theory and practice.

WOOD, Edward J.

Curiosities of clocks and watches from the earliest times. 1866r681 W85
Compilation of interesting facts regarding curious clocks and watches, those which have belonged to noted persons, and others which are famous or unusual.

ZEITSCHRIFT für instrumentenkunde; organ für Mittheilungen aus dem gesammten gebiete der wissenschaftlichen technik; [monthly]. v.1-date. 1881-date...qr681.05 Z43

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682 Blacksmithing. Metal-working

COMPTON, Alfred George.

First lessons in metal-working. 1890.....r682 C73
Text-book for classes in manual training.

RICHARDSON, Milton Thomas, *ed.*

Practical blacksmithing. 4v. 1889-95.....682 R41

Compilation of articles contributed to the "Blacksmith and wheelwright." Forms a fairly complete manual of tools and methods.

SCHLOSSER, Edmund.

Das löthen und die bearbeitung der metalle. 1891. (Hart-leben's chemisch-technische bibliothek.).....r682 S34

682.1 Horseshoeing

HUNTING, William.

Art of horse-shoeing; a manual for farriers. 1898.....682.1 H94

"An endeavor has been made to be as simple and clear as possible in expression, to lay down correct general principles and to point out the technical details which are essential to good shoeing." *Preface.*

LUNGWITZ, Clemens Anton.

Text-book of horseshoeing; for horseshoers and veterina-

rians. 1898.....682.1 L97

RUSSELL, William, *of Cincinnati.*

Scientific horseshoeing. 1895.....r682.1 R91

Considers the use of shoes in correcting the action and gait of horses and in remedying diseases of the foot. A practical manual.

683 Lock and gun making

ESSAY on shooting. 1791.....r683 E84

Includes a non-technical description of the methods of manufacturing gun-barrels, essays on recoil and bursting, on the cause determining the range, instruction in shooting and in training pointers, and descriptions of English game and the methods of hunting.

GREENER, William Wellington.

The gun and its development. 1899.....683 G84g

The same. 1896.....r683 G84

Treatise on small arms, by a leading English manufacturer. Treats of military rifles, but pays particular attention to sporting arms and especially to shot-guns.

RIVERS, Augustus Henry Lane Fox Pitt.

On the development and distribution of primitive locks

and keys. 1883.....qr683 R52

Description of the author's collection, with illustrations of a large number of forms.

YALE & TOWNE MANUFACTURING CO.

Catalogue no.14: locks and hardware. 1893.....r683 Y13

684 Cabinet-making. Wood-working

ARKWRIGHT, John P. *ed.*

Cabinet-making for amateurs. [1899.].....684 A72

Requires some knowledge of the use of tools.

BARTER, S.

Manual instruction; woodwork, (the English sloyd).

1892.....684 B27

For teachers. Follows the course required in the examinations of the City and guilds of London institute.

BOWER, John A.

How to make common things; for boys. 1892.....j684 B66

Describes simple forms of toys, furniture, woodwork, electric apparatus, wirework, ironwork, etc.

DENNING, David.

Art and craft of cabinet-making. 1891.....684 D43

For amateurs and young furniture-makers.

- GOSS, William Freeman Myrick.
Bench work in wood; a course of study and practice, designed for the use of schools and colleges. 1899.....684 G69
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Treats of bench tools and their use, and the elements of wood-construction. Simple and practical.
- HODGSON, Frederick Thomas.
Hand saws; their use, care and abuse, how to select and how to file them. 1896.....684 H66
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- HOFFMAN, B. B.
Sloyd system of wood working; with a brief description of the Eva Rodhe model series, and an historical sketch of the growth of the manual training idea. 1892.....684 H67
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Elementary woodwork. 1893.....j684 K25
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Picture frame making for amateurs. [1882.].....684 L97
- NYE, Alvan Crocker.
Furniture designing and draughting; notes on the elementary forms, methods of construction and dimensions of common articles of furniture. 1900.....q684 N54
Intended for students of design, architects, etc. Does not treat of methods of construction except as they relate to draftsman's work.
- RICKS, George.
Manual training, woodwork; a handbook for teachers, with an appendix on modelling in cardboard as an introduction to woodwork. 1898.....q684 R43
- SHERATON, Thomas.
Cabinet-maker and upholsterer's drawing-book; revised and prepared for the press by J. M. Bell. 1895.....qr684 S55
Reprint of the edition of 1802.
"Sheraton was the apostle of the severer taste in English cabinet-making which followed upon the rococo leanings of his great predecessor, Thomas Chippendale...The central doctrines of all his work and writing are that ornamentation must subserve utility, that the lines of construction, if sound, connote beauty, and that a successful simplicity is harder and more worthy of attainment than the highest development of Louis-Quinze superfluity. That his principles were not the outcome of a mere vague intuition is evidenced by the admirable treatises on geometry, architecture, and perspective with which he introduces his monumental 'Cabinet-maker and Upholsterer's Drawing-book.'" *Dictionary of national biography.*
- UNWIN, William Cawthorne.
Exercises in wood-working for handicraft classes in elementary and technical schools; [plates]. 1892.....qr684 U25
Set of graduated drawings of suitable pieces of work.
- WHEELER, Charles Gardner.
Woodworking for beginners. 1900.....684 W61
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"Aim is to suggest to amateurs of all ages many things which they can profitably make of wood, and to start them in the way to work successfully...Great care...has been taken to include only what can be profitably done by an intelligent boy of from ten to eighteen or by the average untrained worker of more mature years." *Preface.*

- WOOD-WORKING tools; how to use them; a manual.
 1896684 W87
 Prepared for the Industrial school association of Boston, by one of its
 committees.

686 Bookbinding

- BOECK, Josef Phileas.
 Die marmorirkunst. 1896. (Hartleben's chemisch-tech-
 nische bibliothek.)r686 B58
 Theoretical and practical. Describes apparatus and processes in detail.
 Includes description of machinery for manufacturing marbled paper in
 large quantities.
- BRASSINGTON, William Salt, *ed.*
 History of the art of bookbinding, with some account of
 the books of the ancients. 1894.....q686 B71
 Well illustrated with colored plates and drawings in the text.
- COCKERELL, Douglas.
 Bookbinding and the care of books; a text-book for book-
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 Useful handbook of workshop practice. Describes minutely every proc-
 ess and tool connected with bookbinding. Fully illustrated.
- DAVENPORT, Cyril.
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 Describes the bindings of books, chiefly those in the British museum
 which have been bound for rulers of England. Numerous plates, some
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- FLETCHER, William Younger.
 Bookbinding in England and France. 1897.....q686 F63
 Consists of "Portfolio monograph" no.10, entitled "Bookbinding in
 France," and minor articles on bookbinding in England.
- Bookbinding in France. 1894. (Portfolio monographs.)...qr686 F63
 Brief, accurate account of the history and growth of the art in France.
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- HALFER, Josef.
 Progress of the marbling art. 1894.....686 H16
- HORNE, Herbert Percy.
 Binding of books. 1894. (Books about books.)686 H79
 Essay in the history of gold-tooled bindings in France, Italy and England.
 Includes a well-written description of the technical methods of book-
 binding.
- MATTHEWS, Brander.
 Bookbindings, old and new. 1895.....686 M47
 "The Grolier club of New York," p.289-335.
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- PRIDEAUX, Sarah Treverbian.
 Historical sketch of bookbinding. 1893.....686 P91
 Bibliography, p.251-294.
 "Miss Prideaux is a practical bookbinder; one of those persons who
 in England have devoted themselves to handwrought, specially de-
 signed binding in the spirit of ancient handicraft. The book is capable
 of giving a close and very intimate sense of the essential characteristics
 of the art as it was practiced in the past, when it was a decorative art
 as important as most others." *Russell Sturgis.*
- SOCIETY FOR THE ENCOURAGEMENT OF ARTS, MAN-
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 Report of the committee on leather for bookbinding. 1901....q686 S67

Appendixes: Hints to owners and keepers of libraries.—Circular to librarians and replies.

The same. 1901qr686 S67

Inquiry into the durability of modern leather bookbindings, the comparative durability of various leathers and causes of deterioration. Suggests methods of binding and preservation.

ZAEHNSDORF, Joseph William.

Art of bookbinding. 1890. (Technological handbooks.)....686 Z17

Describes the various processes of binding in a clear and practical manner, giving directions for trade binding, and also for more elaborate and artistic work. Of value to those who are in the trade, as well as to amateurs.

689 Weaving. Basketry

BOWLING, Tom, *pseud.*

Book of knots; a complete treatise on the art of cordage, describing the manner of making every knot, tie and splice. 1899.....j689 B66

FIRTH, Annie.

Cane basket work; a manual on weaving useful and fancy baskets. 1899.....689 F52
Practical elementary directions for teachers and amateurs. Fully illustrated. Adapted specially to English conditions.

LATTER, Lucy R.

Cane weaving for children. 1900.....689 L36
Instruction book for teachers. Gives exercises suitable for children from six to ten years of age.

WALKER, Louisa.

Varied occupations in weaving. 1895.....689 W17
Gives exact descriptions of all sorts of weaving that can be done in schools, from the paper mats of the kindergarten to quite elaborate baskets, with suggestions for articles to be made. Many illustrations. Written by an English teacher and adapted to English conditions.

WHITE, Mary.

How to make baskets. 1901.....689 W63
Practical guide, giving descriptions of materials and tools, and detailed directions for the different kinds of weaving. Includes a chapter on "What the basket means to the Indian," by Neltje Blanchan. Many illustrations, particularly of fine specimens of Indian work.

690 Building

BERG, Louis de Coppet.

Safe building; rules and formulæ used in the construction of buildings. 2v. 1892-94.....690 B45

BURRELL, Edward J.

Elementary building construction and drawing. 1899.....690 B94
Gives the elements of building construction in simple form. Contains a large number of examples of structural details, and many exercises in drawing.

DAVIS, (James T.) CO. *pub.*

Architects' and builders' directory of Pennsylvania, 1901.

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KIDDER, Frank Eugene.

Building construction and superintendence. 2v. 1902....690 K22

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 v.1. Masons' work. v.2. Carpenters' work.
 Guide to the materials used and the most approved methods of doing
 the various kinds of work. Points out some of the ways in which
 work should not be done and methods of slighting which are frequently
 met. Thorough and practical.
- NOTES on building construction. 4v. 1892-93.....b690 N47
 v.1. First stage; elementary course.
 v.2. Second stage; advanced course.
 v.3. Materials.
 v.4. Calculations for building structures.
- POLK, (R. L.) & CO. *comp.*
 Architects, builders and contractors' directory of Pitts-
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- RILEY, J. W.
 Building construction for beginners. 1899.....690 R45
 Simple treatment of the subject, avoiding higher mathematics.
- BYRNE, Austin Thomas.
 Inspection of the materials and workmanship employed in
 construction. 1902.....690.2 B99
 "List of authorities consulted," p.514-515.
 Defines the duties of inspectors, and describes the characteristics of ma-
 terials, the methods of preparing them, and ways of slighting work.
- The same.* 1898.....r690.2 B99
- SYLVESTER, W. A.
 Modern house-carpenter's companion and builder's guide.
 1883b690.2 S98
- YOUNG, William, *architect.*
 Sporns' architects' and builders' price-book; with useful
 memoranda and tables. 1899.....r690.2 Y41

690.5 Periodicals

- BUILDERS' magazine; monthly, Jan.-Aug. 1899. v.1. 1899..qr690.5 B86
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- CARPENTRY and building; monthly, 1879-82, 1896-date.
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- HOME study for the building trades; monthly, July 1897-
 Oct. 1899. 3v. in 2. 1897-99.....r690.5 H75
 Feb.-Oct. 1899 title reads "Building trades magazine."
 Nov. 1899 united with "Steam electric magazine" and "Mechanic arts
 magazine" to form "Science and industry."
- STONE; an illustrated magazine; monthly, Dec. 1893-May
 1896, Dec. 1899-date. v.8-12, 20-date. 1894-date.....r690.5 S87

691 Materials. Processes. Preservatives

- KEIM, Adolf Wilhelm.
 Die feuchtigkeit der wohngebäude der mauerfrass und
 holzschwamm nach ursache, wesen und wirkung be-
 trachtet. 1882. (Hartleben's chemisch-technische bib-
 liothek.)r691 K16
 Describes methods which have been used for prevention, and gives an
 original and improved process.

THURSTON, Robert Henry.

Materials of engineering. 3v. 1893-94.....691 T43

v.1. Non-metallic materials.

v.2. Iron and steel.

v.3. Brasses, bronzes and other alloys.

The same. 3v. 1883-1901.....r691 T43

Text-book of the materials of construction; abridged from

"Materials of engineering." 1895.....691 T43t

The same. 1895.....r691 T43t

691.1 Wood**ANDES, Louis Edgar.**

Das conserviren des holzes. 1895. (Hartleben's chemisch-technische bibliothek.).....691.1 A55

Contains a list of the various substances which have been tried, and describes a large number of processes proposed and used. Gives drawings of apparatus, etc.

BOULTON, Samuel Bagster.

Preservation of timber by the use of antiseptics. 1885.

(Van Nostrand's science series.).....691.1 B65

Short account of the history and development of these processes, with results from the author's experience and research.

MAYER, Adolf.

Chemische technologie des holzes als baumaterial. 1872.

(Handbuch der chemischen technologie; hrsg. von P. A.

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691.2 Stone. 691.3 Concrete**GILLMORE, Quincy Adams.**

Notes on the compressive resistance of freestone, brick

piers, hydraulic cements, mortars and concretes. 1888. .691.2 G41

The same. 1888.....r691.2 G41

Results of tests made at the Watertown arsenal. Contains very complete tables.

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865	<i>For</i> Blakie, William, <i>read</i> Blaikie, William.
869	Analyst. In second line of title, <i>for</i> analysis <i>read</i> analysts.
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